

Peter MacPherson

Professor of Global Public Health | University of Glasgow

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Summary

I am an academic public health physician and Professor of Global Public Health at the University of Glasgow. My research focuses on the epidemiology and control of infectious diseases—particularly HIV and tuberculosis—across resource-limited settings. I hold a prestigious NIHR Global Health Research Professorship and lead a Wellcome Discovery Award-funded programme advancing novel methods for TB surveillance and prevention. I additionally lead several large international research programmes that advance diagnostics, surveillance, and prevention strategies for TB and HIV, supported by over £19 million in personal research funding. I regularly advise WHO and UNAIDS, and my work has directly shaped international guidelines and national policies to improve health outcomes in high-burden settings.

Indicator	Outcome
Peer-reviewed publications	137
Grant income (as Principal Investigator)	£19,183,408
Grant income (as Co-Investigator)	£15,345,788
PhD students supervised	11
Masters students supervised	22

Current Positions

January 2024 - Present	Head of Public Health, School of Health & Wellbeing, University of Glasgow, UK
January 2023 - Present	Professor of Global Public Health, University of Glasgow, UK
August 2019 - Present	Honorary Professor, London School of Hygiene and Tropical Medicine, UK
January 2023 - Present	Honorary Consultant in Communicable Disease Control, Public Health Scotland

Education

2023 - Present	FFPH (Fellow of the Faculty of Public Health), Faculty of Public Health, UK
2013 - 2017	MFPH (Member of the Faculty of Public Health), Faculty of Public Health, UK
2009 - 2013	PhD (Wellcome Clinical PhD Fellowship), Liverpool School of Tropical Medicine, UK
2009 - 2010	MRes (Distinction), University of Liverpool, UK
2010 - 2010	DTM&H (Distinction), Liverpool School of Tropical Medicine, UK
2007 - 2009	Dip(HIV) (HIV Medicine), College of Family Medicine, South Africa
2004 - 2005	MPH (Kennedy Memorial Scholar), Harvard School of Public Health, USA
1998 - 2003	MBChB (with Honours), University of Aberdeen Medical School, UK

Awards

2014	Best PhD presentation: LSTM Annual PhD conference, Liverpool School of Tropical Medicine, UK
2013	Best Abstract Prize: 2nd Annual HIV Treatment as Prevention Conference, British HIV Association, UK
2013	Best PhD Poster Prize, Wellcome Trust PhD Investigators Meeting, Wellcome Trust, UK
2012	Young Investigator Award. 19th CROI, Seattle, Infectious Disease Society of America, USA
2011	Young Investigator Award. 18th CROI Boston, Infectious Disease Society of America, USA
2005	Kennedy Memorial Fellowship to attend Harvard University, The Kennedy Memorial Trust, UK
2003	The Quincentenary Prize for Best Student in the University, University of Aberdeen Medical School, UK
2003	The Sir Duguld Baird Medal for Obstetrics and Gynaecology, University of Aberdeen Medical School, UK
2002	University Prize Committee Award for Academic Achievement, University of Aberdeen Medical School, UK
2002	The Elizabeth Lockheart Bequest Prize, University of Aberdeen Medical School, UK
1998	The Dr James Pirie Scholarship to study medicine, University of Aberdeen Medical School, UK

Impact and Appointed Positions

2024-2025	WHO Advanced HIV Disease Guidelines (Systematic review and meta-analysis of accuracy of clinical staging), World Health Organization
2024-2024	UNAIDS Reference Group on Estimates, Modelling, and Projection: Estimating TB Deaths among People Living With HIV (Expert scientific advisor), UNAIDS
2024-Present	Head of Public Health Department, School of Health & Wellbeing, University of Glasgow
2023-Present	Academic Editor, PLOS Medicine
2023-Present	Deputy Research Director. School of Health & Wellbeing, University of Glasgow
2023-2023	WHO Consolidated Guidelines on HIV Testing Services (Expert scientific reviewer), World Health Organization
2023-2024	WHO Target Product Profiles for Tuberculosis Screening Tests (Expert scientific advisor), World Health Organization
2022-2023	WHO Target Product Profiles for Tuberculosis Diagnostics (Expert scientific advisor), World Health Organization
2023-2023	WHO Technical Specification Series (TSS) for manufacturers of Computer Aided Detection for Tuberculosis (CAD TB) (Expert scientific advisor), World Health Organization Global TB Programme
2021-2022	Senior Management Committee (Member), Malawi-Liverpool-Wellcome Programme, Blantyre, Malawi
2022-2022	REF Impact Case Study: HIV Self-Testing, Liverpool School of Tropical Medicine, UK
2020-2023	Head of Population Health Theme, Malawi-Liverpool-Wellcome Programme, Blantyre, Malawi
2020-2023	Research Misconduct Lead, Malawi-Liverpool-Wellcome Programme, Blantyre, Malawi
2020-2023	Chair: Research Data Steering Committee, Malawi-Liverpool-Wellcome Programme, Blantyre, Malawi
2020-2021	WHO Global TB Programme: Guidelines for Systematic Screening for Tuberculosis (lead for 3 systematic reviews), World Health Organization Global TB Programme
2020-2021	WHO Department of HIV/AIDS: Consolidated Antiretroviral Therapy Guidelines (lead for 3 systematic reviews), World Health Organization Global HIV Programme
2019-2023	Senior Academic Representative: Diagnostic Imaging Steering Committee, Malawi-Liverpool-Wellcome Programme, Blantyre, Malawi

2020-2023	Overseas Representative: Research Committee, Liverpool School of Tropical Medicine
2018-2019	WHO Consolidated Guidelines on HIV Testing Services (Expert reviewer), World Health Organization Global HIV Programme
2018-2020	Co-Chair: WHO Technical Working Group on HIV Self-Testing, World Health Organization Global HIV Programme
2018-2018	WHO Strategic framework: A guide for where to start when introducing HIV self-testing (Expert reviewer), World Health Organization Global HIV Programme
2017-2023	Research Strategy Committee (Senior Academic Member), Malawi-Liverpool-Wellcome Programme, Blantyre, Malawi
2016-2016	HIV self-testing and assisted partner notification guidelines (Expert reviewer) , World Health Organization Global HIV Programme
2015-2015	WHO HIV testing Services Guidelines (Expert reviewer), World Health Organization Global HIV Programme
2015-2015	WHO HIV Department commissioned systematic review: Service delivery interventions to improve adolescents' retention and adherence to antiretroviral therapy in adolescents to HIV care (Review lead) , World Health Organization Global HIV Programme

Grant funding as Principal Investigator

Date	Title	Funder	Role	Amount
2024-2030	Transforming diagnosis of tuberculosis through adaptive artificial intelligence imaging	NIHR Global Research Professorship	Principal Investigator (Personal Fellowship)	£1,996,995.00
2024-2029	Advancing epidemiological methods for surveillance of Mycobacterium tuberculosis infection: new approaches to direct case finding, prevention, and measure vaccine effectiveness	Wellcome Discovery Award	Principal Investigator	£2,964,248.00
2022-2026	Improving TB diagnosis in high burden countries (under contract negotiation)	UNITAID	Principal Investigator	£11,760,944.00
2024-2025	Scaling responses to tuberculosis in urban informal settlements: gender-sensitive understandings of TB exposure surveillance methods	GCID, University of Glasgow	Principal Investigator	£19,332.00
2022-2024	Assessing the feasibility, safety and effectiveness of offering same-day antiretroviral therapy to persons with HIV and presumptive tuberculosis: A collaborative multi-country research project in Malawi and Lesotho	Swiss National Research Foundation	Co-Principal Investigator	£600,000.00
2017-2022	A pragmatic randomised study to optimise screening, prevention and care for tuberculosis and HIV in Malawi (PROSPECT)	Wellcome Trust Clinical Research Career Development Fellowship (206575/Z/17/Z)	Principal Investigator (Personal Fellowship)	£1,077,349.00
2020-2021	A electronic Patient Locator (ePAL) application for remote high-resolution surveillance of disease	Wellcome Institutional Translational Partnership Award	Principal Investigator	£29,500.00
2020-2020	What is the optimum time to start antiretroviral therapy in people with	WHO	Principal Investigator	£15,000.00

Date	Title	Funder	Role	Amount
	HIV and tuberculosis coinfection: Systematic reviews to inform WHO guidelines			
2020-2020	Effectiveness of screening for active tuberculosis in the community: systematic reviews to inform WHO guidelines	WHO	Principal Investigator	£15,000.00
2018-2020	Male partner-assisted contact tracing for HIV and tuberculosis in Malawi: a multi-arm cluster-randomised trial (mPATCH-TB)	Wellcome/DIFD/MRC JGHT (MR/R019762/1)	Principal Investigator	£112,515.00
2017-2020	A household cluster randomised trial of active case finding for HIV and TB, preventive treatment against TB, and ART initiation to prevent TB disease and transmission. (The HomeACF Study)	UK/SA MRC Newton Fund (SAMRC96783)	Principal Investigator	£210,116.00
2015-2017	Quality of life in UK adults with multi drug resistant tuberculosis: a prospective cohort study	Academy of Medical Sciences (AMS-SGCL12)	Principal Investigator (Personal Fellowship)	£29,883.00
2009-2013	Investigating delays in equitable access to ART in urban communities in Blantyre, Malawi	Wellcome Trust (08967/B/09/Z)	Principal Investigator (Personal Fellowship)	£352,526.00

Grant funding as Co-Investigator

Date	Title	Funder	Role	Amount
2020-2026	The LIGHT Consortium	UK Department for International Development	Deputy Research Director	£7,909,994
2022-2025	HIV data systems in Malawi	Bill and Melinda Gates Foundation	Collaborator	£1,000,000
2021-2025	Spatial heterogeneity of tuberculosis infection in Blantyre, Malawi: approaches to defining high-risk areas for targeted intervention	Wellcome Trust Clinical PhD Fellowship to Dr Hannah Rickman	Supervisor	£374,292
2020-2024	Integrating genomic and spatial approaches for targeted control of HIV-associated tuberculosis epidemics	US National Institutes of Health	Site Investigator	£3,149,417
2020-2024	Chronic Liver Disease in Malawi: a community-based epidemiological study	Wellcome Trust Clinical PhD Fellowship to Dr Nicholas Riches	Supervisor	£310,000
2020-2024	How can the outcomes of open tibia fractures in a low-income country be improved?	Wellcome Trust Clinical PhD Fellowship to Dr Alex Schade	Supervisor	£458,695
2020-2024	Creating demand for fishermen's schistosomiasis and HIV services (FISH)	Wellcome Trust Intermediate Fellowship to Augustine Choko	Collaborator	£728,291

Date	Title	Funder	Role	Amount
2019-2022	The cost effectiveness and impact of an optimised TB diagnosis intervention on incidence, prevalence and mortality due to TB in Malawi	NIHR-Wellcome Partnership for Global Health Research (Wala Kamchedzera)	Supervisor	£120,000
2019-2022	Computer Aided Screening in Low Resource Settings (CASTLE Study)	Wellcome Trust Clinical PhD Fellowship to Dr Rachael Burke	Supervisor	£374,292
2021-2022	Developing models of care for symptomatic former TB patients in urban Blantyre, Malawi	LSTM Director's Catalyst Fund to Dr Jamilah Meghji	Supervisor	£49,996
2020-2021	SARS-CoV-2 immunoepidemiology in Wellcome-funded urban and rural cohorts in Malawi : generating evidence to inform regional medium and long term decision making	Wellcome	Collaborator	£249,544
2020-2021	Radio+ TB trial development: Determining the optimal regimen for bacteriologically negative, radiographically apparent TB diagnosed using new tests	MRC-Wellcome-DFID Joint Global Health Trials	Site Investigator	£238,807
2020-2021	Towards host-directed therapies for HIV-associated Tuberculosis	LSTM Director's Catalyst Fund to Dr Naomi Walker	Supervisor	£47,345
2020-2021	Prospective Multicentre Clinical Trial for the Evaluation of the Accuracy and Diagnostic Yield of the Fujifilm LAM TB Test for the Diagnosis of Tuberculosis in HIV-positive Patients - Fuji-TB Test Evaluation Trial	FIND	Site Principal Investigator	£78,021
2020-2020	Malawi-Liverpool-Wellcome Trust COVID-19 Epidemic Preparedness	Wellcome Trust	Public Health Workstream lead	£249,926
2020-2020	Usability of GeneXpert Omni for rapid, point of care tuberculosis diagnosis: Malawi	FIND	Site Principal Investigator	£7,168

PhD Students

Date	Student	Institute	Degree	Status
2023-2027	Dr Robina Semphere	University of Glasgow, UK	PhD	In progress
2023-2027	Conrad Folamauk	University of Glasgow, UK	PhD	In progress
2021-2025	Dr Hannah Rickman	LSHTM, UK	PhD (Wellcome Trust Clinical PhD Fellow)	In progress
2021-2025	Leticia Suwedi	LSTM, UK	PhD (Commonwealth Scholar)	In progress
2020-2025	Dr Nick Riches	LSTM, UK	PhD (Wellcome Trust Clinical PhD Fellow)	In progress
2021-2025	Dr Mphatso Phiri	LSTM, UK	PhD (LIGHT Fellowship)	In progress

Date	Student	Institute	Degree	Status
2020-2024	Dr Helen Savage	LSTM, UK	PhD (MRC Doctoral Fellowship)	Awarded
2020-2023	Dr Alex Schade	LSTM, UK	PhD (Wellcome Trust Clinical PhD Fellow)	Awarded
2019-2022	Dr Rachael Burke	LSHTM, UK	PhD (Wellcome Trust Clinical PhD Fellow)	Awarded
2018-2021	McEwen Khundi	LSHTM, UK	PhD	Awarded
2014-2018	Dr Marriott Nliwasa	LSHTM, UK	PhD (Helse Ford PhD Fellowship)	Awarded

Masters Students

Date	Student	Institute	Degree	Status
2024-2025	Catherine Burns	University of Glasgow	MPH (ODL)	In progress
2024-2025	David Yinbil Sa Aleong	University of Glasgow	MPH	In progress
2024-2025	Aye Su Mon	University of Glasgow	MPH	In progress
2024-2025	Abdulmusawwir Ahmad	University of Glasgow	MPH	In progress
2023-2024	Anussa Krishnan	University of Glasgow	MPH	Awarded
2023-2024	Reisya Gina Nurfajiri	University of Glasgow	MPH	Awarded
2023-2024	Dr Alireza Mortazavi	University of Glasgow	MPH	Awarded (Merit)
2022-2024	Dickson Kazembe	Kamuzu University of Health Sciences, Malawi	MPH	Awarded
2021-2022	Dr Johnny Miller	Liverpool School of Tropical Medicine	MSc in Global Health	Awarded
2021-2022	Dr Naomi Carter	Liverpool School of Tropical Medicine	MSc in Global Health	Awarded (Distinction)
2020-2022	Dr Symon Chiumia	College of Medicine, University of Malawi	MPH	Awarded
2019-2021	Dr Andrew Moseray	Liverpool School of Tropical Medicine	Masters in International Public Health	Awarded
2019-2021	Dr Bilaal Wilson	College of Medicine, University of Malawi	MPH	Awarded
2019-2021	Wala Kamchedzera	Liverpool School of Tropical Medicine	MSc in Epidemiology	Awarded
2019-2020	Dr Amir Kirlos	Liverpool School of Tropical Medicine	MRes	Awarded
2018-2019	Dr Itaru Nakamura	Liverpool School of Tropical Medicine	Msc in Tropical and Infectious Diseases	Awarded (Distinction)
2018-2019	Ms Maggie Nyali	College of Medicine, University of Malawi	Masters in Public Health	Awarded
2017-2018	Mr Hisao Ando	Liverpool School of Tropical Medicine	Masters in International Public Health	Awarded
2017-2018	Dr Timothy Lawes	University of Liverpool	MRes	Awarded

Date	Student	Institute	Degree	Status
2013-2014	Dr Chigomezgo Munthali	Liverpool School of Tropical Medicine	Masters in International Public Health	Awarded (Distinction)
2012-2013	Dr Marriott Nliwasa	London School of Hygiene and Tropical Medicine	Masters in Epidemiology	Awarded
2011-2012	Dr Oliva Axten	Brighton and Sussex Medical School	MSc in Global Health	Awarded (Distinction)

Publications

1. Riches N, Henrion M Y R, MacPherson P, Hahn C, Kachala R, Mitchell T, Murray D, Mzumara W, Nkoka O, Price A J, Riches J, Seery A, Thom N, Loarec A, Lemoine M, Ndow G, Shimakawa Y, Thompson P, Morgan C, Desai S, Easterbrook P, Stockdale A J. Vertical transmission of hepatitis B virus in the WHO African region: a systematic review and meta-analysis. *Lancet Glob Health*. 2025;13(3):e447–e458. doi:10.1016/s2214-109x(24)00506-0
2. Burke R M, Sabet N, Ellis J, Rangaraj A, Lawrence D S, Jarvis J N, Falconer J, Tugume L, Bidwell G, Berhanu R H, MacPherson P, Ford N. Causes of hospitalisation among people living with HIV worldwide, 2014-23: a systematic review and meta-analysis. *Lancet HIV*. Published online March 2025:S2352–3018(24)00347–3. doi:10.1016/s2352-3018(24)00347-3
3. Chitwood M H, Corbett E L, Ndhlovu V, Sobkowiak B, Colijn C, Andrews J R, Burke R M, Cudahy P G T, Dodd P J, Imai-Eaton J W, Engelthaler D M, Folkerts M, Feasey H R A, Lan Y, Lewis J, McNichol J, Menzies N A, Chipungu G, Nliwasa M, Weinberger D M, Warren J L, Salomon J A, MacPherson P, Cohen T. Distribution and transmission of *M. tuberculosis* in a high-HIV prevalence city in Malawi: A genomic and spatial analysis. *PLOS Glob Public Health*. 2025;5(4):e4040. doi:10.1371/journal.pgph.0004040
4. Di Giacomo E, Nightingale E, MacPherson P, Feasey H R, Soko R, Phiri V, Corbett E, Horton K. Perceived Gender Equitable Norms and Previous Tuberculosis Testing in Malawi: A Secondary Analysis of a Cluster-based Prevalence Surve. doi:10.1101/2025.04.23.25326292
5. Richards A, Phiri M, Nidoi J, Chakaya J, MacPherson P, Kirenga B, Bimba J, Ugwu C, Pola R, Squire B, Horton K. Population level impact of increasing tuberculosis treatment coverage and addressing determinants of risk in men: a modelling study in Kenya, Malawi, Nigeria, and Uganda. doi:10.1101/2025.03.31.25324963
6. Rickman H M, Phiri M D, Mbale H, Horton K C, Henrion M Y R, Nightingale E S, Seddon J A, Corbett E L, MacPherson P. Low concordance between QIArearch QuantiFERON-TB, a novel interferon-gamma release assay, and QuantiFERON-TB Gold Plus, in a population-based survey in Blantyre, Malawi. *J Clin Microbiol*. Published online December 2024:e132324. doi:10.1128/jcm.01323-24
7. Sossen B, Székely R, Mukoka M, Muyoyeta M, Nakabugo E, Hella J, Van Nguyen H, Ubolyam S, Erkosar B, Vermeulen M, Centner C M, Nyangu S, Sanjase N, Sasamalo M, Dinh H T, Ngo T A, Manosuthi W, Jirajariyavej S, Nguyen N V, Avihingsanon A, Kerkhoff A D, Denking C M, Reither K, Nakiyingi L, MacPherson P, Meintjes G, Ruhwald M, FujiLAM Study Consortium. Urine-Xpert Ultra for the diagnosis of tuberculosis in people living with HIV: a prospective, multicentre, diagnostic accuracy study. *Lancet Glob Health*. 2024;12(12):e2024–2034. doi:10.1016/S2214-109X(24)00357-7
8. MacPherson P, Stagg H R, Schwalb A, Henderson H, Taylor A E, Burke R M, Rickman H M, Miller C, Houben R M G J, Dodd P J, Corbett E L. Impact of active case finding for tuberculosis with mass chest X-ray screening in Glasgow, Scotland, 1950-1963: An epidemiological analysis of historical data. *PLoS Med*. 2024;21(11):e1004448. doi:10.1371/journal.pmed.1004448
9. Choko A T, Dovel K L, Kayuni S, Conserve D F, Butttterworth A, Bustinduy A L, Stothard J R, Kamchedzera W, Mukoka-Thindwa M, Jafari J, MacPherson P, Fielding K, Desmond N, Corbett E L. Combined interventions for the testing and treatment of HIV and schistosomiasis among fishermen in Malawi: a three-arm, cluster-randomised trial. *Lancet Glob Health*. 2024;12(10):e1673–e1683. doi:10.1016/S2214-109X(24)00283-3
10. Ghebrehewet S, Stewart A G, MacPherson P. A natural experiment during lockdown and on-going care-home COVID-19 outbreaks showed a single dose of vaccine reduced hospitalisation and deaths of care-home residents in North West England. *Public Health*. 2024;233:60-64. doi:10.1016/j.puhe.2024.05.002

11. Hamada Y, Quartagno M, Malik F, Ntshamane K, Tisler A, Gaikwad S, Acuna-Villaorduna C, Bhavani P K, Alisjahbana B, Ronacher K, Apriani L, Becerra M, Chu A L, Creswell J, Diaz G, Ferro B E, Galea J T, Grandjean L, Grewal H M S, Gupta A, Jones-López E C, Kleynhans L, Lecca L, MacPherson P, Murray M, Marín D, Restrepo B I, Shivakumar S V B Y, Shu E, Sivakumaran D, Vo L N Q, Webb E L, Copas A, Abubakar I, Rangaka M X. Prevalence of non-communicable diseases among household contacts of people with tuberculosis: A systematic review and individual participant data meta-analysis. *Trop Med Int Health*. Published online July 2024. doi:10.1111/tmi.14038
12. Gils T, Hella J, Jacobs B K M, Sossen B, Mukoka M, Muyoyeta M, Nakabugo E, Van Nguyen H, Ubolyam S, Macé A, Vermeulen M, Nyangu S, Sanjase N, Sasamalo M, Dinh H T, Ngo T A, Manosuthi W, Jirajariyavej S, Denkinger C M, Nguyen N V, Avihingsanon A, Nakiyingi L, Székely R, Kerkhoff A D, MacPherson P, Meintjes G, Reither K, Ruhwald M. A prospective evaluation of the diagnostic accuracy of the point-of-care VISITECT CD4 Advanced Disease test in seven countries. *J Infect Dis*. Published online July 2024;jiae374. doi:10.1093/infdis/jiae374
13. Burke R M, Nyirenda S K, Mtenga T, Twabi H H, Joekes E, Walker N F, Nyirenda R, Gupta-Wright A, Nliwasa M, Fielding K, MacPherson P, Corbett E L. Enhanced tuberculosis diagnosis with computer-aided chest X-ray and urine LAM in adults with HIV admitted to hospital (CASTLE study): A cluster randomised trial. *Clin Infect Dis*. Published online May 2024:ciae273. doi:10.1093/cid/ciae273
14. Schade A T, Sabawo M, Jaffry Z, Nyamulani N, Mpanga C C, Ngoie L B, Metcalfe A J, Lalloo D G, Harrison W J, Leather A, MacPherson P. Improving the management of open tibia fractures, Malawi. *Bull World Health Organ*. 2024;102(4):255-264. doi:10.2471/BLT.23.290755
15. Coussens A K, Zaidi S M A, Allwood B W, Dewan P K, Gray G, Kohli M, Kredt T, Marais B J, Marks G B, Martinez L, Ruhwald M, Scriba T J, Seddon J A, Tisile P, Warner D F, Wilkinson R J, Esmail H, Houben R M G J, International Consensus for Early TB (ICE-TB) group. Classification of early tuberculosis states to guide research for improved care and prevention: an international Delphi consensus exercise. *Lancet Respir Med*. Published online March 2024:S2213-2600(24)00028-6. doi:10.1016/S2213-2600(24)00028-6
16. MacPherson P, Shaunabe K, Phiri M D, Rickman H M, Horton K C, Feasey H R A, Corbett E L, Burke R M, Rangaka M X. Community-based active-case finding for tuberculosis: navigating a complex minefield. *BMC Global and Public Health*. 2024;2(1):9-10. doi:10.1186/s44263-024-00042-9
17. Ashton P M, Chirambo A C, Meiring J E, Patel P D, Mbewe M, Silungwe N, Chizani K, Banda H, Heyderman R S, Dyson Z A, MacPherson P, Henrion M Y R, Biswas P K, Bhuiyan M A I, Blohmke C, Darton T C, Dolecek C, Dongol S, Farooq Y, Hill J, Hoang N T, Jere T M, Msuku H, Nga T V T, Nkhata R, Rahman S I A, Rahman N, Saad N J, Tan T V, Thindwa D, Voysey M, Wachepa R, Pollard A, Holt K E, Gordon M A. Evaluating the relationship between ciprofloxacin prescription and non-susceptibility in *Salmonella* Typhi in Blantyre, Malawi: an observational study. *The Lancet Microbe*. 2024;0(0). doi:10.1016/S2666-5247(23)00327-0
18. Gerber F, Semphere R, Lukau B, Mahlatsi P, Mtenga T, Lee T, Kohler M, Glass T R, Amstutz A, Molatelle M, MacPherson P, Marake N B, Nliwasa M, Ayakaka I, Burke R, Labhardt N. Same-day versus rapid ART initiation in HIV-positive individuals presenting with symptoms of tuberculosis: Protocol for an open-label randomized non-inferiority trial in Lesotho and Malawi. *PLOS ONE*. 2024;19(2):e288944. doi:10.1371/journal.pone.0288944
19. Nightingale E S, Feasey H R A, Khundi M, Soko R N, Burke R M, Nliwasa M, Twabi H, Mpunga J A, Fielding K, MacPherson P, Corbett E L. Community-level variation in TB testing history in Blantyre, Malawi. *Int J Tuberc Lung Dis*. 2024;28(2):99-105. doi:10.5588/ijtld.23.0213
20. Suwedi-Kapesa L C, Nyondo-Mipando A L, Choko A, Obasi A, MacPherson P, Desmond N. Process Evaluation of Services for HIV-Infected Post-Partum Women and HIV-Exposed Infants in Primary Health Care Blantyre Malawi. *Health Serv Insights*. 2024;17:11786329231224623. doi:10.1177/11786329231224623
21. Rickman H M, Phiri M D, Feasey H R A, Mbale H, Nliwasa M, Semphere R, Chagaluka G, Fielding K, Mwandumba H C, Horton K C, Nightingale E S, Henrion M Y R, Mbendera K, Mpunga J A, Corbett E L, MacPherson P. Tuberculosis Immunoreactivity Surveillance in Malawi (Timasamala)-A protocol for a cross-sectional Mycobacterium tuberculosis immunoreactivity survey in Blantyre, Malawi. *PLoS One*. 2024;19(5):e291215. doi:10.1371/journal.pone.0291215
22. Székely R, Sossen B, Mukoka M, Muyoyeta M, Nakabugo E, Hella J, Nguyen H V, Ubolyam S, Chikamatsu K, Macé A, Vermeulen M, Centner C M, Nyangu S, Sanjase N, Sasamalo M, Dinh H T, Ngo T A, Manosuthi W, Jirajariyavej S, Mitarai S, Nguyen N V, Avihingsanon A, Reither K, Nakiyingi L, Kerkhoff A D, MacPherson P, Meintjes G, Denkinger C M, Ruhwald M, FujiLAM Study Consortium. Prospective multicentre accuracy evaluation of the FUJIFILM SILVAMP TB LAM test for the diagnosis

of tuberculosis in people living with HIV demonstrates lot-to-lot variability. *PLoS One*. 2024;19(5):e303846. doi:10.1371/journal.pone.0303846

23. Kamchedzera W, Quaife M, Msukwa-Panje W, Burke R M, Macpherson L, Kumwenda M, Twabi H H, Quartagno M, MacPherson P, Esmail H. Treatment preferences among people at risk of developing tuberculosis: A discrete choice experiment. *PLOS Glob Public Health*. 2024;4(7):e2804. doi:10.1371/journal.pgph.0002804
24. Meghji J, Msukwa-Panje W, Mkutumula E, Kamchedzera W, Banda N P K, MacPherson P, Engel N. Respiratory symptoms after TB treatment completion: A qualitative study of patient and provider experiences in urban Blantyre, Malawi. *PLOS Glob Public Health*. 2024;4(9):e3436. doi:10.1371/journal.pgph.0003436
25. Creswell J, Vo L N Q, Qin Z Z, Muyoyeta M, Tovar M, Wong E B, Ahmed S, Vijayan S, John S, Maniar R, Rahman T, MacPherson P, Banu S, Codlin A J. Early user perspectives on using computer-aided detection software for interpreting chest X-ray images to enhance access and quality of care for persons with tuberculosis. *BMC Global and Public Health*. 2023;1(1):30-31. doi:10.1186/s44263-023-00033-2
26. Carter N, Webb E L, Lebina L, Motsomi K, Bosch Z, Martinson N A, MacPherson P. Prevalence of subclinical pulmonary tuberculosis and its association with HIV in household contacts of index tuberculosis patients in two South African provinces: a secondary, cross-sectional analysis of a cluster-randomised trial. *BMC Global and Public Health*. 2023;1(1):21-22. doi:10.1186/s44263-023-00022-5
27. Savage H R, Rickman H M, Burke R M, Odland M L, Savio M, Ringwald B, Cuevas L E, MacPherson P. Accuracy of upper respiratory tract samples to diagnose Mycobacterium tuberculosis: a systematic review and meta-analysis. *Lancet Microbe*. 2023;4(10):e811–e821. doi:10.1016/S2666-5247(23)00190-8
28. Schade A T, Sabawo M, Nyamulani N, Mpanga C C, Ngoie L B, Metcalfe A J, Laloo D G, Madan J J, Harrison W J, MacPherson P. Functional outcomes and quality of life at 1-year follow-up after an open tibia fracture in Malawi: a multicentre, prospective cohort study. *Lancet Glob Health*. 2023;11(10):e1609–e1618. doi:10.1016/S2214-109X(23)00346-7
29. Burke R M, Nliwasa M, Dodd P J, Feasey H R A, Khundi M, Choko A, Nzawa-Soko R, Mpunga J, Webb E L, Fielding K, MacPherson P, Corbett E L. Impact of Community-Wide Tuberculosis Active Case Finding and Human Immunodeficiency Virus Testing on Tuberculosis Trends in Malawi. *Clin Infect Dis*. 2023;77(1):94-100. doi:10.1093/cid/ciad238
30. Graham S M, Maqungo S, Laubscher M, Ferreira N, Held M, Harrison W J, Simpson A H, MacPherson P, Laloo D G. Is human immunodeficiency virus a risk factor for the development of nonunion?—a case–control study. *OTA International*. 2023;6(2):e251. doi:10.1097/OI9.0000000000000251
31. Kangogo G, Conserve D F, Kayuni S, Kumwenda M K, Dovel K L, Chirombo J, MacPherson P, Corbett E L, Butterworth A, Choko A T. Correlates of prior HIV testing and schistosomiasis treatment: Baseline survey findings from the "creating demand for fishermen's schistosomiasis HIV services" (FISH) cluster-randomized trial in Mangochi, Malawi. *PLoS Negl Trop Dis*. 2023;17(5):e10654. doi:10.1371/journal.pntd.0010654
32. Divala T H, Corbett E L, Kandulu C, Moyo B, MacPherson P, Nliwasa M, French N, Sloan D J, Chiume L, Ndaferankhande M J, Chilanga S, Majiga S T, Odland J Ø, Fielding K L. Trial-of-antibiotics to assist tuberculosis diagnosis in symptomatic adults in Malawi (ACT-TB study): a randomised controlled trial. *Lancet Glob Health*. 2023;11(4):e556–e565. doi:10.1016/S2214-109X(23)00052-9
33. Dodd P J, Shaweno D, Ku C C, Glaziou P, Pretorius C, Hayes R J, MacPherson P, Cohen T, Ayles H. Transmission modeling to infer tuberculosis incidence prevalence and mortality in settings with generalized HIV epidemics. *Nat Commun*. 2023;14(1):1-10. doi:10.1038/s41467-023-37314-1
34. Burke R M, Twabi H H, Johnston C, Nliwasa M, Gupta-Wright A, Fielding K, Ford N, MacPherson P, Corbett E L. Interventions to reduce deaths in people living with HIV admitted to hospital in low- and middle-income countries: A systematic review. *PLOS Global Public Health*. 2023;3(2):e1557. doi:10.1371/journal.pgph.0001557
35. Mukoka M, Twabi H H, Msefula C, Semphere R, Ndhlovu G, Lipenga T, Sikwese T D, Malisita K, Choko A, Corbett E L, MacPherson P, Nliwasa M. Utility of Xpert MTB/RIF Ultra and digital chest radiography for the diagnosis and treatment of TB in people living with HIV: a randomised controlled trial (XACT-TB). *Trans R Soc Trop Med Hyg*. 2023;117(1):28-37. doi:10.1093/trstmh/trac079
36. Feasey H R A, Khundi M, Nzawa Soko R, Nightingale E, Burke R M, Henrion M Y R, Phiri M D, Burchett H E, Chiume L, Nliwasa M, Twabi H H, Mpunga J A, MacPherson P, Corbett E L. Prevalence of bacteriologically-confirmed pulmonary tuberculosis

in urban Blantyre, Malawi 2019-20: Substantial decline compared to 2013-14 national survey. *PLOS Glob Public Health*. 2023;3(10):e1911. doi:10.1371/journal.pgph.0001911

37. Gray A T, Macpherson L, Carlin F, Sossen B, Richards A S, Kik S V, Houben R M G J, MacPherson P, Quartagno M, Rogozińska E, Esmail H. Treatment for radiographically active, sputum culture-negative pulmonary tuberculosis: A systematic review and meta-analysis. *PLoS One*. 2023;18(11):e293535. doi:10.1371/journal.pone.0293535
38. Feasey H R A, Khundi M, Soko R N, Bottomley C, Chiume L, Burchett H E D, Nliwasa M, Twabi H H, Mpunga J A, MacPherson P, Corbett E L. Impact of active case-finding for tuberculosis on case-notifications in Blantyre, Malawi: A community-based cluster-randomised trial (SCALE). *PLOS Glob Public Health*. 2023;3(12):e2683. doi:10.1371/journal.pgph.0002683
39. Chirombo J, Majamanda A, Gunsaru V, Yosefe S, Ozituosauka W, Mchoma C, Morroni C, Chipeta E, MacPherson P, Freyne B. The prevalence of gestational syphilis in Malawi between 2014 and 2022: spatiotemporal modeling of population-level factors. *Front Public Health*. 2023;11:1242870-1242871. doi:10.3389/fpubh.2023.1242870
40. MacPherson E E, Mankhomwa J, Dixon J, Pongolani R, Phiri M, Feasey N, O'Byrne T, Tolhurst R, MacPherson P. Household antibiotic use in Malawi: A cross-sectional survey from urban and peri-urban Blantyre. *PLOS Glob Public Health*. 2023;3(8):e1946. doi:10.1371/journal.pgph.0001946
41. Mungai B, Ong'angò J, Ku C C, Henrion M Y R, Morton B, Joekes E, Onyango E, Kiplimo R, Kirathe D, Masini E, Sitienei J, Manduku V, Mugi B, Squire S B, MacPherson P, Consortium T I. Accuracy of computer-aided chest X-ray in community-based tuberculosis screening: Lessons from the 2016 Kenya National Tuberculosis Prevalence Survey. *PLOS Global Public Health*. 2022;2(11):e1272. doi:10.1371/journal.pgph.0001272
42. McQuaid C F, Henrion M Y R, Burke R M, MacPherson P, Nzawa-Soko R, Horton K C. Inequalities in the impact of COVID-19-associated disruptions on tuberculosis diagnosis by age and sex in 45 high TB burden countries. *BMC Med*. 2022;20(1):432-433. doi:10.1186/s12916-022-02624-6
43. Rickman H M, Kamchedzera W, Schwalb A, Phiri M D, Ruhwald M, Shanaube K, Dodd P J, Houben R M G J, Corbett E L, MacPherson P. Know your tuberculosis epidemic—Is it time to add Mycobacterium tuberculosis immunoreactivity back into global surveillance?. *PLOS Global Public Health*. 2022;2(10):e1208. doi:10.1371/journal.pgph.0001208
44. Kaswaswa K, MacPherson P, Kumwenda M, Mpunga J, Thindwa D, Nliwasa M, Mwapasa M, Odland J, Tomoka T, Chipungu G, Mukaka M, Corbett E L. Effect of patient-delivered household contact tracing and prevention for tuberculosis: A household cluster-randomised trial in Malawi. *PLOS ONE*. 2022;17(9):e269219. doi:10.1371/journal.pone.0269219
45. Thindwa D, Jambo K C, Ojal J, MacPherson P, Dennis Phiri M, Pinsent A, Khundi M, Chiume L, Gallagher K E, Heyderman R S, Corbett E L, French N, Flasche S. Social mixing patterns relevant to infectious diseases spread by close contact in urban Blantyre, Malawi. *Epidemics*. 2022;40:100590-100591. doi:10.1016/j.epidem.2022.100590
46. Martinson N A, Lebina L, Webb E L, Ratsela A, Varavia E, Kinghorn A, Lala S G, Golub J E, Bosch Z, Motsomi K P, MacPherson P. Household Contact Tracing With Intensified Tuberculosis and Human Immunodeficiency Virus Screening in South Africa: A Cluster-Randomized Trial. *Clin Infect Dis*. 2022;75(5):849-856. doi:10.1093/cid/ciab1047
47. Khundi M, Carpenter J R, Corbett E L, Feasey H R A, Soko R N, Nliwasa M, Twabi H, Chiume L, Burke R M, Horton K C, Dodd P J, Cohen T, MacPherson P. Neighbourhood prevalence-to-notification ratios for adult bacteriologically-confirmed tuberculosis reveals hotspots of underdiagnosis in Blantyre, Malawi. *PLOS ONE*. 2022;17(5):e268749. doi:10.1371/journal.pone.0268749
48. Burke R M, Nyirenda S, Twabi H H, Nliwasa M, Joekes E, Walker N, Nyirenda R, Gupta-Wright A, Fielding K, MacPherson P, Corbett E L. Design and protocol for a cluster randomised trial of enhanced diagnostics for tuberculosis screening among people living with HIV in hospital in Malawi (CASTLE study). *PLOS ONE*. 2022;17(1):e261877. doi:10.1371/journal.pone.0261877
49. Alba S, Rood E, Mecatti F, Ross J M, Dodd P J, Chang S, Potgieter M, Bertarelli G, Henry N J, LeGrand K E, Trouleau W, Shaweno D, MacPherson P, Qin Z Z, Mergenthaler C, Giardina F, Augustijn E W, Baloch A Q, Latif A. TB Hackathon: Development and Comparison of Five Models to Predict Subnational Tuberculosis Prevalence in Pakistan. *Tropical Medicine and Infectious Disease*. 2022;7(1):13-14. doi:10.3390/tropicalmed7010013
50. Burke R M, Rickman H M, Singh V, Kalua T, Labhardt N D, Hosseinipour M, Wilkinson R J, MacPherson P. Same-day antiretroviral therapy initiation for people living with HIV who have tuberculosis symptoms: a systematic review. *HIV Med*. 2022;23(1):4-15. doi:10.1111/hiv.13169

51. Divala T H, Lewis J, Bulterys M A, Lutje V, Corbett E L, Schumacher S G, MacPherson P. Missed opportunities for diagnosis and treatment in patients with TB symptoms: a systematic review. *Public Health Action*. 2022;12(1):10-17. doi:doi:10.5588/pha.21.0022
52. Savage H R, Finch L, Body R, Watkins R L, LSTM Diagnostics group, CONDOR steering group, Hayward G, Cook E, Cubas-Atienzar A I, Cuevas L E, MacPherson P, Adams E R. A prospective diagnostic evaluation of accuracy of self-taken and healthcare worker-taken swabs for rapid COVID-19 testing. *PLoS One*. 2022;17(6):e270715. doi:10.1371/journal.pone.0270715
53. Feasey H R A, Burke R M, Nliwasa M, Chaisson L H, Golub J E, Naufal F, Shapiro A E, Ruperez M, Telisinghe L, Ayles H, Miller C, Burchett H E D, MacPherson P, Corbett E L. Do community-based active case-finding interventions have indirect impacts on wider TB case detection and determinants of subsequent TB testing behaviour? A systematic review. *PLOS Global Public Health*. 2021;1(12):e88. doi:10.1371/journal.pgph.0000088
54. Moyo M, Lebina L, Milovanovic M, MacPherson P, Michel A, Martinson N. Tuberculosis patients at the human-animal interface: Potential zoonanthroponotic and zoonotic transmission. *One Health*. 2021;13:100319-100320. doi:10.1016/j.onehlt.2021.100319
55. Ku C C, MacPherson P, Khundi M, Nzawa Soko R H, Feasey H R A, Nliwasa M, Horton K C, Corbett E L, Dodd P J. Durations of asymptomatic, symptomatic, and care-seeking phases of tuberculosis disease with a Bayesian analysis of prevalence survey and notification data. *BMC Med*. 2021;19(1):298-299. doi:10.1186/s12916-021-02128-9
56. Twabi H H, Semphere R, Mukoka M, Chiume L, Nzawa R, Feasey H R A, Lipenga T, MacPherson P, Corbett E L, Nliwasa M. Pattern of abnormalities amongst chest X-rays of adults undergoing computer-assisted digital chest X-ray screening for tuberculosis in Peri-Urban Blantyre, Malawi: A cross-sectional study. *Trop Med Int Health*. 2021;26(11):1427-1437. doi:10.1111/tmi.13658
57. Burke R M, Henrion M Y R, Mallewa J, Masamba L, Kalua T, Khundi M, Gupta-Wright A, Rylance J, Gordon S B, Masesa C, Corbett E L, Mwandumba H C, Macpherson P. Incidence of HIV-positive admission and inpatient mortality in Malawi (2012-2019). *AIDS*. 2021;35(13):2191-2199. doi:10.1097/QAD.0000000000003006
58. Telisinghe L, Ruperez M, Amofa-Sekyi M, Mwenge L, Mainga T, Kumar R, Hassan M, Chaisson L H, Naufal F, Shapiro A E, Golub J E, Miller C, Corbett E L, Burke R M, MacPherson P, Hayes R J, Bond V, Daneshvar C, Klinkenberg E, Ayles H M. Does tuberculosis screening improve individual outcomes? A systematic review. *EClinicalMedicine*. 2021;40:101127-101128. doi:10.1016/j.eclinm.2021.101127
59. Bates M J, Gordon M R P, Gordon S B, Tomeny E M, Muula A S, Davies H, Morris C, Manthulu G, Namisango E, Masamba L, Henrion M Y R, MacPherson P, Squire S B, Niessen L W. Palliative care and catastrophic costs in Malawi after a diagnosis of advanced cancer: a prospective cohort study. *The Lancet Global Health*. 2021;0(0). doi:10.1016/S2214-109X(21)00408-3
60. MacPherson P, Webb E L, Kamchedzera W, Joekes E, Mjoli G, Laloo D G, Divala T H, Choko A T, Burke R M, Maheswaran H, Pai M, Squire S B, Nliwasa M, Corbett E L. Computer-aided X-ray screening for tuberculosis and HIV testing among adults with cough in Malawi (the PROSPECT study): A randomised trial and cost-effectiveness analysis. *PLoS Med*. 2021;18(9):e1003752. doi:10.1371/journal.pmed.1003752
61. Graham S M, Maqungo S, Laubscher M, Ferreira N, Held M, Harrison W J, Simpson A H, MacPherson P, Laloo D G. Fracture Healing in Patients With HIV in South Africa: A Prospective Cohort Study. *J Acquir Immune Defic Syndr*. 2021;87(5):1214-1220. doi:10.1097/QAI.0000000000002720
62. Khundi M, Carpenter J R, Nliwasa M, Cohen T, Corbett E L, MacPherson P. Effectiveness of spatially targeted interventions for control of HIV, tuberculosis, leprosy and malaria: a systematic review. *BMJ Open*. 2021;11(7):e44715. doi:10.1136/bmjopen-2020-044715
63. Burke R M, Rickman H M, Singh V, Corbett E L, Ayles H, Jahn A, Hosseinipour M C, Wilkinson R J, MacPherson P. What is the optimum time to start antiretroviral therapy in people with HIV and tuberculosis coinfection? A systematic review and meta-analysis. *J Int AIDS Soc*. 2021;24(7):e25772. doi:10.1002/jia2.25772
64. Soko R N, Burke R M, Feasey H R A, Sibande W, Nliwasa M, Henrion M Y R, Khundi M, Dodd P J, Ku C C, Kawalazira G, Choko A T, Divala T H, Corbett E L, MacPherson P. Effects of Coronavirus Disease Pandemic on Tuberculosis Notifications, Malawi. *Emerg Infect Dis*. 2021;27(7):1831-1839. doi:10.3201/eid2707.210557
65. Morton B, Barnes K G, Anscombe C, Jere K, Matambo P, Mandolo J, Kamng'ona R, Brown C, Nyirenda J, Phiri T, Banda N P, Van Der Veer C, Mndolo K S, Mponda K, Rylance J, Phiri C, Mallewa J, Nyirenda M, Katha G, Kambiya P, Jafali J, Mwandumba H C, Gordon S B, Blantyre COVID-19 Consortium, Cornick J, Jambo K C. Distinct clinical and immunological profiles of

patients with evidence of SARS-CoV-2 infection in sub-Saharan Africa. *Nat Commun.* 2021;12(1):3554-3555. doi:10.1038/s41467-021-23267-w

66. Phiri M M, Makepeace E, Nyali M, Kumwenda M, Corbett L, Fielding K, Choko A, MacPherson P, MacPherson E E. Improving pathways to care through interventions cocreated with communities: a qualitative investigation of men's barriers to tuberculosis care-seeking in an informal settlement in Blantyre, Malawi. *BMJ Open.* 2021;11(6):e44944. doi:10.1136/bmjopen-2020-044944
67. Kamchedzera W, Maheswaran H, Squire S B, Joekees E, Pai M, Nliwasa M, G Lalloo D, Webb E L, Corbett E L, MacPherson P. Economic costs of accessing tuberculosis (TB) diagnostic services in Malawi: an analysis of patient costs from a randomised controlled trial of computer-aided chest x-ray interpretation. *Wellcome Open Res.* 2021;6:153-154. doi:10.12688/wellcomeopenres.16683.1
68. Sohn H, Sweeney S, Mudzengi D, Creswell J, Menzies N A, Fox G J, MacPherson P, Dowdy D W. Determining the value of TB active case-finding: current evidence and methodological considerations. *The International Journal of Tuberculosis and Lung Disease.* 2021;25(3):171-181. doi:10.5588/ijtld.20.0565
69. Burke R M, Nliwasa M, Feasey H R A, Chaisson L H, Golub J E, Naufal F, Shapiro A E, Ruperez M, Telisinghe L, Ayles H, Corbett E L, MacPherson P. Community-based active case-finding interventions for tuberculosis: a systematic review. *The Lancet Public Health.* 2021;0(0). doi:10.1016/S2468-2667(21)00033-5
70. Kirolos A, Thindwa D, Khundi M, Burke R M, Henrion M Y R, Nakamura I, Divala T H, Nliwasa M, Corbett E L, MacPherson P. Tuberculosis case notifications in Malawi have strong seasonal and weather-related trends. *Sci Rep.* 2021;11(1):4621-4622. doi:10.1038/s41598-021-84124-w
71. Feasey H R A, Corbett E L, Nliwasa M, Mair L, Divala T H, Kamchedzera W, Khundi M E, Burchett H E D, Webb E L, Maheswaran H, Squire S B, MacPherson P. Tuberculosis diagnosis cascade in Blantyre, Malawi: a prospective cohort study. *BMC Infect Dis.* 2021;21(1):178-179. doi:10.1186/s12879-021-05860-y
72. Mungai B N, Joekees E, Masini E, Obasi A, Manduku V, Mugi B, Ong'angò J, Kirathe D, Kiplimo R, Sitienei J, Oronje R, Morton B, Squire S B, MacPherson P. 'If not TB, what could it be?' Chest X-ray findings from the 2016 Kenya Tuberculosis Prevalence Survey. *Thorax.* 2021;76:607-614. doi:10.1136/thoraxjnl-2020-216123
73. MacPherson P, Williams C, Burke R, Barer M, Esmail H. Before the whistle blows: developing new paradigms in tuberculosis screening to maximise benefit and minimise harm [version 1; peer review: awaiting peer review]. *Wellcome Open Research.* 2021;6(8). doi:10.12688/wellcomeopenres.16506.1
74. Wingfield T, Karmandwala F, MacPherson P, Millington K A, Walker N F, Squire S B. Challenges and opportunities to end tuberculosis in the COVID-19 era. *The Lancet Respiratory Medicine.* 2021;(21):161-162. doi:10.1016/S2213-2600(21)00161-2
75. Khundi M, MacPherson P, Feasey H R A, Soko R N, Nliwasa M, Corbett E L, Carpenter J R. Clinical, health systems and neighbourhood determinants of tuberculosis case fatality in urban Blantyre, Malawi: a multilevel epidemiological analysis of enhanced surveillance data. *Epidemiol Infect.* 2021;149. doi:10.1017/S0950268821001862
76. Schade A T, Mbowuwa F, Chidothi P, MacPherson P, Graham S M, Martin C, Harrison W J, Choko L. Epidemiology of fractures and their treatment in Malawi: Results of a multicentre prospective registry study to guide orthopaedic care planning. *PLoS One.* 2021;16(8):e255052. doi:10.1371/journal.pone.0255052
77. Schade A T, Nyamulani N, Banza L N, Metcalfe A J, Leather A, Madan J J, Lalloo D G, Harrison W J, MacPherson P. Protocol for a prospective cohort study of open tibia fractures in Malawi with a nested implementation of open fracture guidelines. *Wellcome Open Res.* 2021;6:228-229. doi:10.12688/wellcomeopenres.17145.1
78. Yates T A, Cooke G S, MacPherson P. Rational use of SARS-CoV-2 polymerase chain reaction tests within institutions caring for the vulnerable. *F1000Res.* 2020;9:671-672. doi:10.12688/f1000research.24872.1
79. Johnson C, Neuman M, MacPherson P, Choko A, Quinn C, Wong V J, Hatzold K, Nyrienda R, Ncube G, Baggaley R, Terris-Prestholt F, Corbett E L. Use and awareness of and willingness to self-test for HIV: an analysis of cross-sectional population-based surveys in Malawi and Zimbabwe. *BMC Public Health.* 2020;20(1):779-780. doi:10.1186/s12889-020-08855-7
80. Divala T, Burke R M, Ndeketa L, Corbett E L, MacPherson P. Africa faces difficult choices in responding to COVID-19. *Lancet.* 2020;395(10237):1611-1612. doi:10.1016/S0140-6736(20)31056-4

81. Meghji J, Lesosky M, Joekees E, Banda P, Rylance J, Gordon S, Jacob J, Zonderland H, MacPherson P, Corbett E L, Mortimer K, Squire S B. Patient outcomes associated with post-tuberculosis lung damage in Malawi: a prospective cohort study. *Thorax*. 2020;75(3):269-278. doi:10.1136/thoraxjnl-2019-213808
82. Wingfield T, Cuevas L E, MacPherson P, Millington KA, Squire S B. Tackling two pandemics: a plea on World Tuberculosis Day. *The Lancet Respiratory Medicine*. 2020;8(6):536-538. doi:10.1016/S2213-2600(20)30151-X
83. Divala T H, Fielding K L, Sloan D J, French N, Nliwasa M, MacPherson P, Kandulu C C, Chiume L, Chilanga S, Ndaferankhande M J, Corbett E L. Accuracy and consequences of using trial-of-antibiotics for TB diagnosis (ACT-TB study): protocol for a randomised controlled clinical trial. *BMJ Open*. 2020;10(3):e33999. doi:10.1136/bmjopen-2019-033999
84. Bates M J, Muula A, Gordon S, Henrion M, Tomeny E, MacPherson P, Squire B, Niessen L. Study protocol for a single-centre observational study of household wellbeing and poverty status following a diagnosis of advanced cancer in Blantyre, Malawi - 'Safeguarding the Family' study. *Wellcome Open Research*. 2020;5:2-3. doi:10.12688/wellcomeopenres.15633.1
85. Mair L, Corbett E L, Feasey H R A, Kamchedzera W, Khundi M, Laloo D G, Maheswaran H, Nliwasa M, Squire S B, Webb E L, MacPherson P. Provider-initiated HIV testing and TB screening in the era of universal coverage: Are the right people being reached? A cohort study in Blantyre, Malawi. *PLoS ONE*. 2020;15(8):e236407. doi:10.1371/journal.pone.0236407
86. Choko A T, Jamil M S, MacPherson P, Corbett E, Chitembo L, Ingold H, Aza E B, d'Elbee M, DiCarlo M, Majam M, Schewchuk T, Wong V, Baggaley R, Johnson C. Measuring linkage to HIV treatment services following HIV self-testing in low-income settings. *Journal of the International AIDS Society*. 2020;23(6):e25548. doi:10.1002/jia2.25548
87. MacPherson P, Lebina L, Motsomi K, Bosch Z, Milovanovic M, Ratsela A, Lala S, Variava E, Golub J E, Webb E L, Martinson N A. Prevalence and risk factors for latent tuberculosis infection among household contacts of index cases in two South African provinces: Analysis of baseline data from a cluster-randomised trial. *PLoS ONE*. 2020;15(3):e230376. doi:10.1371/journal.pone.0230376
88. Nathavitharana R R, Yoon C, Macpherson P, Dowdy D W, Cattamanchi A, Somoskovi A, Broger T, Ottenhoff T H M, Arinaminpathy N, Lonnroth K, Reither K, Cobelens F, Gilpin C, Denking C M, Schumacher S G. Guidance for Studies Evaluating the Accuracy of Tuberculosis Triage Tests. *J Infect Dis*. 2019;220(Supplement_3):S116-S125. doi:10.1093/infdis/jiz243
89. MacPherson P, Webb E L, Variava E, Lala S G, Milovanovic M, Ratsela A, Lebina L, Kinghorn A, Martinson N A. Intensified household contact tracing, prevention and treatment support versus enhanced standard of care for contacts of tuberculosis cases in South Africa: study protocol for a household cluster-randomised trial. *BMC Infect Dis*. 2019;19(1):839-840. doi:10.1186/s12879-019-4502-5
90. Wingfield T, MacPherson P, Sodha P, Tucker A, Mithoo J, Squire S B, Cleary P. Contacts of underserved tuberculosis patients have higher odds of TB disease in North West England: a cohort study. *Int J Tuberc Lung Dis*. 2019;23(3):337-343. doi:10.5588/ijtld.18.0467
91. Yoon C, Dowdy D W, Esmail H, MacPherson P, Schumacher S G. Screening for tuberculosis: time to move beyond symptoms. *Lancet Respir Med*. 2019;7(3):202-204. doi:10.1016/S2213-2600(19)30039-6
92. Watson V, Dacombe R J, Williams C, Edwards T, Adams E R, Johnson C C, Mutseta M N, Corbett E L, Cowan F M, Ayles H, Hatzold K, MacPherson P, Taegtmeier M. Re-reading of OraQuick HIV-1/2 rapid antibody test results: quality assurance implications for HIV self-testing programmes. *J Int AIDS Soc*. 2019;(Suppl Suppl 1):e25234. doi:10.1002/jia2.25234
93. MacPherson P, Khundi M, Nliwasa M, Choko A T, Phiri V K, Webb E L, Dodd P J, Cohen T, Harris R, Corbett E L. Disparities in access to diagnosis and care in Blantyre, Malawi, identified through enhanced tuberculosis surveillance and spatial analysis. *BMC Med*. 2019;17(1):21-22. doi:10.1186/s12916-019-1260-6
94. Wingfield T, MacPherson P, Cleary P, Ormerod L P. High prevalence of TB disease in contacts of adults with extrapulmonary TB. *Thorax*. 2018;73(8):785-787. doi:10.1136/thoraxjnl-2017-210202
95. Nliwasa M, MacPherson P, Gupta-Wright A, Mwapasa M, Horton K, Odland J Ø, Flach C, Corbett E L. High HIV and active tuberculosis prevalence and increased mortality risk in adults with symptoms of TB: a systematic review and meta-analyses. *J Int AIDS Soc*. 2018;21(7):e25162. doi:10.1002/jia2.25162
96. MacPherson P, Webb E L, Laloo D G, Nliwasa M, Maheswaran H, Joekees E, Phiri D, Squire B, Pai M, Corbett E L. Design and protocol for a pragmatic randomised study to optimise screening, prevention and care for tuberculosis and HIV in Malawi (PROSPECT Study). *Wellcome Open Research*. 2018;3:61-62. doi:10.12688/wellcomeopenres.14598.2

97. Maheswaran H, Clarke A, MacPherson P, Kumwenda F, Lalloo D G, Corbett E L, Petrou S. Cost-Effectiveness of Community-based Human Immunodeficiency Virus Self-Testing in Blantyre, Malawi. *Clin Infect Dis*. 2018;66(8):1211-1221. doi:10.1093/cid/cix983
98. Thindwa D, MacPherson P, Choko A T, Khundi M, Sambakunsi R, Ngwira L G, Kalua T, Webb E L, Corbett E L. Completion of isoniazid preventive therapy among human immunodeficiency virus positive adults in urban Malawi. *The International Journal of Tuberculosis and Lung Disease*. 2018;22(3):273-279. doi:10.5588/ijtld.17.0370
99. Maheswaran H, Petrou S, Cohen D, MacPherson P, Kumwenda F, Lalloo D G, Corbett E L, Clarke A. Economic costs and health-related quality of life outcomes of hospitalised patients with high HIV prevalence: A prospective hospital cohort study in Malawi. *PLoS One*. 2018;13(3):e192991. doi:10.1371/journal.pone.0192991
100. Tucker A, Mithoo J, Cleary P, Woodhead M, MacPherson P, Wingfield T, Davies S, Wake C, McMaster P, Bertel Squire S. Quantifying the need for enhanced case management for TB patients as part of TB cohort audit in the North West of England: a descriptive study. *BMC Public Health*. 2017;17(1). doi:10.1186/s12889-017-4892-5
101. MacPherson P, Valentine K, Chadderton V, Dardamissis E, Doig I, Fox A, Ghebrehewet S, Hampton T, Mutton K, Sherratt C, McCann C M. An Outbreak of *Pseudomonas Aeruginosa* Infection Linked to a "Black Friday" Piercing Event. *PLoS Curr Outbreaks*. 2017;9. doi:10.1371/currents.outbreaks.51af24797f6f856a9861b5ddabc7db58
102. Keenan A, Ghebrehewet S, Vivancos R, Seddon D, MacPherson P, Hungerford D. Measles outbreaks in the UK, is it when and where, rather than if? A database cohort study of childhood population susceptibility in Liverpool, UK. *BMJ Open*. 2017;7(3):e14106. doi:10.1136/bmjopen-2016-014106
103. Maheswaran H, Petrou S, MacPherson P, Kumwenda F, Lalloo D G, Corbett E L, Clarke A. Economic Costs and Health-Related Quality of Life Outcomes of HIV Treatment After Self- and Facility-Based HIV Testing in a Cluster Randomized Trial. *J Acquir Immune Defic Syndr*. 2017;75(3):280-289. doi:10.1097/QAI.0000000000001373
104. Ghebrehewet S, MacPherson P, Ho A. Influenza. *BMJ*. 2016;355:i6258. doi:10.1136/bmj.i6258
105. Horton K C, MacPherson P, Houben R M G J, White R G, Corbett E L. Sex Differences in Tuberculosis Burden and Notifications in Low- and Middle-Income Countries: A Systematic Review and Meta-analysis. *PLoS Med*. 2016;13(9):e1002119. doi:10.1371/journal.pmed.1002119
106. MacPherson P, Squire S B, Cleary P, Davies S, Wake C, Dee K, Walker J, Farrow S, McMaster P, Woodhead M, Sloan D J, on behalf of the North West TB Audit Steering Committee. Equitable tuberculosis care in the North West of England: analysis of tuberculosis cohort review data. *The International Journal of Tuberculosis and Lung Disease*. 2016;20(6):778-785. doi:10.5588/ijtld.15.0772
107. Hungerford D, Macpherson P, Farmer S, Ghebrehewet S, Seddon D, Vivancos R, Keenan A. Effect of socioeconomic deprivation on uptake of measles, mumps and rubella vaccination in Liverpool, UK over 16 years: a longitudinal ecological study. *Epidemiol Infect*. 2016;144(6):1201-1211. doi:10.1017/S0950268815002599
108. Ferrand R A, Briggs D, Ferguson J, Penazzato M, Armstrong A, MacPherson P, Ross D A, Kranzer K. Viral suppression in adolescents on antiretroviral treatment: review of the literature and critical appraisal of methodological challenges. *Trop Med Int Health*. 2016;21(3):325-333. doi:10.1111/tmi.12656
109. Fitchett J R, MacPherson P, Corbett E L. Implementing the End TB Strategy and the intersection with the Sustainable Development Goals, 2016-2030. *Trans R Soc Trop Med Hyg*. 2016;110(3):145-147. doi:10.1093/trstmh/trw010
110. Nliwasa M, MacPherson P, Mukaka M, Mdolo A, Mwapasa M, Kaswaswa K, Msefula C, Chipungu G, Mwandumba H C, Corbett E L. High mortality and prevalence of HIV and tuberculosis in adults with chronic cough in Malawi: a cohort study. *The International Journal of Tuberculosis and Lung Disease*. 2016;20(2):202-210. doi:10.5588/ijtld.15.0388
111. Maheswaran H, Petrou S, MacPherson P, Choko A T, Kumwenda F, Lalloo D G, Clarke A, Corbett E L. Cost and quality of life analysis of HIV self-testing and facility-based HIV testing and counselling in Blantyre, Malawi. *BMC Med*. 2016;14:34-35. doi:10.1186/s12916-016-0577-7
112. Nliwasa M, MacPherson P, Chisala P, Kamdolozi M, Khundi M, Kaswaswa K, Mwapasa M, Msefula C, Sohn H, Flach C, Corbett E L. The Sensitivity and Specificity of Loop-Mediated Isothermal Amplification (LAMP) Assay for Tuberculosis Diagnosis in Adults with Chronic Cough in Malawi. *PLoS ONE*. 2016;11(5):e155101. doi:10.1371/journal.pone.0155101

113. Kelly C, Gaskell K M, Richardson M, Klein N, Garner P, MacPherson P. Discordant Immune Response with Antiretroviral Therapy in HIV-1: A Systematic Review of Clinical Outcomes. *PLoS ONE*. 2016;11(6):e156099. doi:10.1371/journal.pone.0156099
114. Choko A T, Taegtmeier M, MacPherson P, Cocker D, Khundi M, Thindwa D, Sambakunsi R S, Kumwenda M K, Chiumya K, Malema O, Makombe S D, Webb E L, Corbett E L. Initial Accuracy of HIV Rapid Test Kits Stored in Suboptimal Conditions and Validity of Delayed Reading of Oral Fluid Tests. *PLoS ONE*. 2016;11(6):e158107. doi:10.1371/journal.pone.0158107
115. Lewis J M, Macpherson P, Adams E R, Ochodo E, Sands A, Taegtmeier M. Field accuracy of fourth-generation rapid diagnostic tests for acute HIV-1: a systematic review. *AIDS*. 2015;29(18):2465-2471. doi:10.1097/QAD.0000000000000855
116. Choko A T, MacPherson P, Webb E L, Willey B A, Feasy H, Sambakunsi R, Mdolo A, Makombe S D, Desmond N, Hayes R, Maheswaran H, Corbett E L. Uptake, Accuracy, Safety, and Linkage into Care over Two Years of Promoting Annual Self-Testing for HIV in Blantyre, Malawi: A Community-Based Prospective Study. *PLoS Med*. 2015;12(9):e1001873. doi:10.1371/journal.pmed.1001873
117. MacPherson P, Munthali C, Ferguson J, Armstrong A, Kranzer K, Ferrand R A, Ross D A. Service delivery interventions to improve adolescents' linkage, retention and adherence to antiretroviral therapy and HIV care. *Trop Med Int Health*. 2015;20(8):1015-1032. doi:10.1111/tmi.12517
118. Moscrop A, MacPherson P. Should doctors record their patients' income?. *Br J Gen Pract*. 2014;64(627):e672-674. doi:10.3399/bjgp14X682009
119. MacPherson P, Lalloo D G, Webb E L, Maheswaran H, Choko A T, Makombe S D, Butterworth A E, Oosterhout J J van, Desmond N, Thindwa D, Squire S B, Hayes R J, Corbett E L. Effect of optional home initiation of HIV care following HIV self-testing on antiretroviral therapy initiation among adults in Malawi: a randomized clinical trial. *JAMA*. 2014;312(4):372-379. doi:10.1001/jama.2014.6493
120. Macpherson P, Lalloo D G, Thindwa D, Webb E L, Squire S B, Chipungu G A, Desmond N, Makombe S D, Taegtmeier M, Choko A T, Corbett E L. A novel community health worker tool outperforms WHO clinical staging for assessment of antiretroviral therapy eligibility in a resource-limited setting. *J Acquir Immune Defic Syndr*. 2014;65(2):e74-78. doi:10.1097/QAI.0b013e3182a20e74
121. MacPherson P, Houben R M G J, Glynn J R, Corbett E L, Kranzer K. Pre-treatment loss to follow-up in tuberculosis patients in low- and lower-middle-income countries and high-burden countries: a systematic review and meta-analysis. *Bull World Health Organ*. 2014;92(2):126-138. doi:10.2471/BLT.13.124800
122. Munthali C, Taegtmeier M, Garner P G, Lalloo D G, Squire S B, Corbett E L, Ford N, MacPherson P. Diagnostic accuracy of the WHO clinical staging system for defining eligibility for ART in sub-Saharan Africa: a systematic review and meta-analysis. *J Int AIDS Soc*. 2014;17:18932-18933. doi:10.7448/IAS.17.1.18932
123. Corbett E L, MacPherson P. Tuberculosis screening in high human immunodeficiency virus prevalence settings: turning promise into reality [State of the art series. Active case finding/screening. Number 5 in the series]. *The International Journal of Tuberculosis and Lung Disease*. 2013;17(9):1125-1138. doi:10.5588/ijtld.13.0117
124. MacPherson P, Choko A T, Webb E L, Thindwa D, Squire S B, Sambakunsi R, Oosterhout J J van, Chunda T, Chavula K, Makombe S D, Lalloo D G, Corbett E L. Development and validation of a global positioning system-based "map book" system for categorizing cluster residency status of community members living in high-density urban slums in Blantyre, Malawi. *Am J Epidemiol*. 2013;177(10):1143-1147. doi:10.1093/aje/kws376
125. Sloan D J, Oosterhout J J van, Malisita K, Phiri E M, Lalloo D G, O'Hare B, MacPherson P. Evidence of improving antiretroviral therapy treatment delays: an analysis of eight years of programmatic outcomes in Blantyre, Malawi. *BMC Public Health*. 2013;13:490-491. doi:10.1186/1471-2458-13-490
126. Moshabela M, MacPherson P, Ezard N, Frean E, Mashimbye L, Elliott J H, Oldenburg B. Clinical and social determinants of diarrhoeal disease in a rural HIV/AIDS clinic, South Africa: a case-control study. *Int J STD AIDS*. 2012;23(5):346-350. doi:10.1258/ijsa.2011.011285
127. MacPherson P, Lalloo D G, Choko A T, Mann G H, Squire S B, Mwale D, Manda E, Makombe S D, Desmond N, Heyderman R, Corbett E L. Suboptimal patterns of provider initiated HIV testing and counselling, antiretroviral therapy eligibility assessment and referral in primary health clinic attendees in Blantyre, Malawi. *Trop Med Int Health*. 2012;17(4):507-517. doi:10.1111/j.1365-3156.2011.02946.x

128. Boniface R, Moshabela M, Zulliger R, Macpherson P, Nyasulu P. Correlates of Delayed Diagnosis among Human Immunodeficiency Virus-Infected Pulmonary Tuberculosis Suspects in a Rural HIV Clinic, South Africa. *Tuberc Res Treat*. 2012;2012:827148-827149. doi:10.1155/2012/827148
129. MacPherson P, Corbett E L, Makombe S D, Oosterhout J J van, Manda E, Choko A T, Thindwa D, Squire S B, Mann G H, Lalloo D G. Determinants and consequences of failure of linkage to antiretroviral therapy at primary care level in Blantyre, Malawi: a prospective cohort study. *PLoS ONE*. 2012;7(9):e44794. doi:10.1371/journal.pone.0044794
130. MacPherson P, MacPherson E E, Mwale D, Bertel Squire S, Makombe S D, Corbett E L, Lalloo D G, Desmond N. Barriers and facilitators to linkage to ART in primary care: a qualitative study of patients and providers in Blantyre, Malawi. *J Int AIDS Soc*. 2012;15(2):18020-18021. doi:10.7448/IAS.15.2.18020
131. MacPherson P, Dimairo M, Bandason T, Zezai A, Munyati S, Butterworth A, Mungofa S, Rusakaniko S, Fielding K, Mason P, Corbett E. Risk factors for mortality in smear-negative tuberculosis suspects: a cohort study in Harare, Zimbabwe. *The International Journal of Tuberculosis and Lung Disease*. 2011;15(10):1390-1396. doi:10.5588/ijtld.11.0056
132. MacPherson P, Chawla A, Jones K, Coffey E, Spaine V, Harrison I, Jelliman P, Phillips-Howard P, Beynon C, Taegtmeier M. Feasibility and acceptability of point of care HIV testing in community outreach and GUM drop-in services in the North West of England: a programmatic evaluation. *BMC Public Health*. 2011;11:419-420. doi:10.1186/1471-2458-11-419
133. Taegtmeier M, MacPherson P, Jones K, Hopkins M, Moorcroft J, Lalloo D G, Chawla A. Programmatic evaluation of a combined antigen and antibody test for rapid HIV diagnosis in a community and sexual health clinic screening programme. *PLoS ONE*. 2011;6(11):e28019. doi:10.1371/journal.pone.0028019
134. MacPherson P, Webb E L, Choko A T, Desmond N, Chavula K, Napierala Mavedzenge S, Makombe S D, Chunda T, Squire S B, Corbett E L. Stigmatising attitudes among people offered home-based HIV testing and counselling in Blantyre, Malawi: construction and analysis of a stigma scale. *PLoS ONE*. 2011;6(10):e26814. doi:10.1371/journal.pone.0026814
135. Dimairo M, MacPherson P, Bandason T, Zezai A, Munyati S S, Butterworth A E, Mungofa S, Rusakaniko S, Fielding K, Mason P R, Corbett E L. The risk and timing of tuberculosis diagnosed in smear-negative TB suspects: a 12 month cohort study in Harare, Zimbabwe. *PLoS ONE*. 2010;5(7):e11849. doi:10.1371/journal.pone.0011849
136. MacPherson P, Moshabela M, Martinson N, Pronyk P. Mortality and loss to follow-up among HAART initiators in rural South Africa. *Trans R Soc Trop Med Hyg*. 2009;103(6):588-593. doi:10.1016/j.trstmh.2008.10.001
137. MacPherson P, Harper I, MacDonald I. Propofol and remifentanyl total intravenous anesthesia for a patient with Huntington disease. *J Clin Anesth*. 2004;16(7):537-538. doi:10.1016/j.jclinane.2003.12.011

Previous Positions

Date	Position	Institute
2017-2022	Reader & Wellcome Fellow	Liverpool School of Tropical Medicine, UK
2017-2022	Head of Public Health Group	Malawi-Liverpool-Wellcome Programme
2014-2017	Academic Clinical Lecturer in Public Health	University of Liverpool, UK
2014-2017	Honorary Clinical Lecturer	Liverpool School of Tropical Medicine, UK
2016-2017	Acting Consultant in Communicable Disease Control	Public Health England, UK
2013-2016	Specialty Trainee in Public Health Medicine	UK Public Health Specialty Training Scheme (NTN: MER/930/009/C)
2009-2013	Wellcome Trust Clinical PhD Fellow	Liverpool School of Tropical Medicine, UK & MLW, Malawi
2007-2009	Senior Medical Officer HIV/AIDS	Rixile ART Clinic, Tintswalo Hospital, Mpumalanga, South Africa
2007-2007	Senior House Officer Community Paediatrics & Surgery	Royal Alexandra Children's Hospital, Brighton, UK
2006-2007	Senior House Officer Paediatric Medicine	Royal Alexandra Children's Hospital, Brighton, UK

Date	Position	Institute
2006-2006	Senior House Officer Emergency Medicine	Royal Sussex County Hospital, Brighton, UK
2005-2006	Senior House Officer Neurosurgery	Hurstwood Park Neurological Centre, Haywards Heath, UK
2005-2005	Intern	WHO Regional Office for Europe, Copenhagen, Denmark
2004-2004	Pre-Registration House Officer General Surgery	Borders General Hospital, Melrose, Scotland, UK
2003-2004	Pre-Registration House Officer – Gastro. and Hepatology	Aberdeen Royal Infirmary, Aberdeen, Scotland, UK