

Technical Review Panel Member

Curriculum Vitae

Name: Frances Cowan

Nationality: UK national resident in Zimbabwe

Additional languages: English only

Expertise: Clinical epidemiologist SRH, HIV prevention and Care, Key Populations

Qualifications

Qualification	Institution	Department	Year
MBBS	University of London	Medical College of St Bartholomew's Hospital	1984
MRCP	Royal College of Physicians (UK)		1987
MD	University of London		1994
FRCPE	Royal College of Physicians Edinburgh		2000
FRCP	Royal College of Physicians London		2001

Employment History

Employer	Position	Place	Year
Centre for Sexual Health and HIV AIDS Research (CeSHHAR) Zimbabwe	Founding Director	Zimbabwe	2012-2022
University College London	Professor In International Sexual Health and HIV	UK	2014- July 2016
University College London	Reader	UK	2010- 2014
University College London and Mortimer Market Centre, Camden PCT	Senior lecturer (Honorary consultant)	UK	1995-2010
University College London and Mortimer Market Centre, Camden PCT	Lecturer (Hon Senior Registrar) Genitourinary Medicine	UK	1989-1995

Regional Infectious Diseases Unit, City Hospital, Edinburgh	Research Fellow in HIV Medicine	UK	1988-1989
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Relevant Publications last 3 years

Over 250 peer reviewed publications H Index 64 over 12,000 citations

Harriet S Jones¹, Fortunate Machingura², Leah Gaihai², et al. Recent infection testing to inform HIV prevention responses and surveillance in a programme context: Lessons from implementation within a nationally scaled female sex worker programme in Zimbabwe. JIAS in press

Stevens O, Sabin K, Anderson RL, et al. Population size, HIV prevalence, and antiretroviral therapy coverage among key populations in sub-Saharan Africa: collation and synthesis of survey data, 2010-23. *Lancet Glob Health*. 2024 Sep;12(9):e1400-e1412. doi: 10.1016/S2214-109X(24)00236-5.

Bansi-Matharu L, Revill P, Taramusi I, et al. The effect on HIV transmission and cost-effectiveness of programmes for female sex workers in East, Central, and Southern Africa: a modelling study. *Lancet Glob Health*. 2024 Sep;12(9):e1436-e1445. doi: 10.1016/S2214-109X(24)00224-9.

Cowan FM, Machingura F, Ali MS, et al. A risk-differentiated, community-led intervention to strengthen uptake and engagement with HIV prevention and care cascades among female sex workers in Zimbabwe (AMETHIST): a cluster randomised trial. *Lancet Glob Health*. 2024 Sep;12(9):e1424-e1435. doi: 10.1016/S2214-109X(24)00235-3.

Jones HS, Anderson RL, Cust H, et al. HIV incidence among women engaging in sex work in sub-Saharan Africa: a systematic review and meta-analysis *Lancet Global Health*, 12(8); 2024, e1244-e1260, ISSN 2214-109X, [https://doi.org/10.1016/S2214-109X\(24\)00227-4](https://doi.org/10.1016/S2214-109X(24)00227-4).

Michalow J, Magdalene K Walters; Olanrewaju Edun; et al. (2024) Aetiology of vaginal discharge, urethral discharge, and genital ulcer in sub-Saharan Africa: A systematic review and meta-regression. *PLOS Medicine* 21(5): e1004385. <https://doi.org/10.1371/journal.pmed.1004385>

Thomas KA, Sibanda EL, Johnson C, et al. Do community measures impact the effectiveness of a community led HIV testing intervention. Secondary analysis of an HIV self-testing intervention in rural communities in Zimbabwe. *BMC Infect Dis*. 2023 Oct 31;22(Suppl 1):974. doi: 10.1186/s12879-023-08695-x. PMID: 37907871; PMCID: PMC10617038.

Hannah Gannon; Elizabeth Chappell; Deborah Ford; et al. Effects of the COVID-19 pandemic on the outcomes of HIV-exposed neonates: a Zimbabwean tertiary hospital experience. *BMC Pediatr* **24**, 16 (2024). <https://doi.org/10.1186/s12887-023-04473-5>

Andrew N Phillips PhD, Loveleen Bansi-Matharu PhD, Maryam Shahmanesh, et al. Potential cost-effectiveness of community availability of tenofovir-lamivudine-dolutegravir for HIV prevention and treatment in East, Central, Southern and West Africa: a modelling analysis. *Lancet Global Health* 2023 Oct;11(10):e1648-e1657. doi: 10.1016/S2214-109X(23)00383-2.

Bernays S, Lariat J, Cowan F, Set al. "They test my blood to know how much blood is in my body": the untapped potential of promoting viral load literacy to support adherence and viral suppression among adolescents living with HIV. *J Int AIDS Soc.* 2023 Oct;26(10):e26153. doi: 10.1002/jia2.26153. PMID: 37880186; PMCID: PMC10600064.

Jones HS, Hensen B, Musemburi S, et al. Temporal trends in, and risk factors for, HIV seroconversion among female sex workers accessing Zimbabwe's national sex worker programme, 2009-19: a retrospective cohort analysis of routinely collected HIV testing data. *Lancet HIV.* 2023 Jul;10(7):e442-e452. doi: 10.1016/S2352-3018(23)00110-8. Epub 2023 Jun 14. PMID: 37329897.

Chappell E, Chimwaza A, Manika N, et al. Impact of the COVID-19 pandemic on the provision and uptake of services for the prevention of mother-to-child transmission of HIV in Zimbabwe. *PLOS Glob Public Health.* 2023 Aug 14;3(8):e0002296. doi: 10.1371/journal.pgph.0002296. PMID: 37578953; PMCID: PMC10424857.

Machingura F, Busza J, Jamali GM, et al. Facilitators and barriers to engaging with the DREAMS initiative among young women who sell sex aged 18-24 in Zimbabwe: a qualitative study. *BMC Womens Health.* 2023 May 12;23(1):257. doi: 10.1186/s12905-023-02374-4. PMID: 37173783; PMCID: PMC10182710.

Kloek M, Chabata ST, van Noord L, Machingura F, et al. HIV prevalence, risk behaviour, and treatment and prevention cascade outcomes among cisgender men, transgender women, and transgender men who sell sex in Zimbabwe: a cross-sectional analysis of programme data. *Lancet HIV.* 2023 Jul;10(7):e453-e460. doi: 10.1016/S2352-3018(23)00088-7. Epub 2023 Jun 14. PMID: 37329898.

Bansi-Matharu L, Mudimu E, Martin-Hughes R, Hamilton M, et al. Cost-effectiveness of voluntary medical male circumcision for HIV prevention across sub-Saharan Africa: results from five independent models. *Lancet Glob Health.* 2023 Feb;11(2):e244-e255. doi: 10.1016/S2214-109X(22)00515-0. Epub 2022 Dec 20. Erratum in: *Lancet Glob Health.* 2023 Apr;11(4):e504. PMID: 36563699; PMCID: PMC10005968.

Webster Mavhu, Memory Makamba, Karin Hatzold, et al. Preferences for oral-fluid-based or blood-based HIV self-testing and provider-delivered testing: an observational study among different populations in Zimbabwe. *BMC Infect Dis* **22** (Suppl 1), 973 (2022). <https://doi.org/10.1186/s12879-023-08624-y>

Kloek M, Bulstra CA, van Noord L, Al-Hassany L, Cowan FM, et al. HIV prevalence among men who have sex with men, transgender women and cisgender male sex workers in sub-Saharan Africa: a systematic review and meta-analysis. *J Int AIDS Soc.* 2022 Nov;25(11):e26022. doi: 10.1002/jia2.26022. PMID: 36419343; PMCID: PMC9684687.

Ali MS, Wit MDE, Chabata ST, Magutshwa S, et al. [Estimation of HIV incidence from analysis of HIV prevalence patterns among female sex workers in Zimbabwe](#). AIDS. 2022 Jul 1;36(8):1141-1150. doi: 10.1097/ QAD.0000000000003198. Epub 2022 Feb 16. PubMed PMID: 35170527.