
BIOGRAPHICAL SKETCH

NAME Guédou, Fernand Aimé	POSITION TITLE Senior Research Fellow and Director of the “CHU de Quebec” research projects in West Africa
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EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Université Nationale du Bénin, Cotonou, Benin	M.D.	1987	Medicine
London School of Hygiene and Tropical Medicine, London, UK	M.Sc.	1992	Medical Microbiology
Society of Apothecaries of London, UK	Diploma	1993	Genito-urinary medicine
University of North Carolina, Durham, US	Certificate	2003	Coordination of clinical research
University of North Carolina, Durham, US	-	2003	Clinical trials methodology
Laval University, Quebec, Canada	Ph.D.	2012	Epidemiology

A. Positions and Honors.

Positions and Employment:

1993-2000: Head of STI/AIDS/Microbiology Unit at “CERRHUD” (Centre for Research in Human Reproduction and Demography) Cotonou, Benin.

1996-2000: Acting Head of the Unit of Database Management and data analysis in CERRHUD Cotonou.

1997-to date: Head of the Department of Reproductive Health at the NGO “GRAFED” (Research, Action and Training in Epidemiology and Development).

2000-2002: Health Advisor at the Benin country office of PLAN International.

2004-2007: Co-PI and Site Coordinator in Benin for the CONRAD microbicide Phase III clinical trial

2006-2007: Director of the National Health Research Office, Ministry of Health, Benin.

2012-2016: Coordinator of the project “Équité en Santé sexuelle et reproductive chez les Travailleuses du sexe” (Equity in sexual and reproductive health in female sex workers) and Director of the “CHU de Quebec-Université Laval” projects in Benin.

2016-to date: Regional Director of the “CHU de Quebec-Université Laval” HIV research projects in West Africa

Other Experience and Professional Memberships (Research experiences)

1997: Coordinator of the bio-medical component of the multicountry study on factors explaining differences in HIV prevalence in Africa (the “Four cities study”) at the Benin site: in collaboration with ITM, Antwerp, Belgium).

1999: Coordinator of data analysis for the study "Follow-up of the first 200 Norplant® users in Benin".

1999: Research Assistant for the study "Operational Research prior to a program to control infertility, STDs and genital cancers in Benin".

2001: Co-PI for the Study on the Impact of HIV/AIDS on education in Benin.

2001: Co-PI for the study on HIV sero-prevalence in secondary schools and universities in Benin.

2003-2004: PI for the study "Clear expectations for better performance”, as Consultant of FHI, in partnership with IntraHealth and the Ministry of Health, Benin.

2004: PI for the study "Impact of HIV/AIDS on education in Benin, on behalf of the Project “EQUIPE” and Care International, funded by USAID.

Co-supervision (theses) or supervision (dissertations) of 35 post-graduate students.

Member of the International Union for Sexually Transmitted Infections (IUSTI)

Member of “Réseau Francophone International pour la Promotion de la Santé ” (REFIPS)

Member of “Association des Épidémiologistes de Langue Française” (ADELF).

Honors

2013

Young Investigator Award for an outstanding oral presentation at the Afri-Can Synchronicity Forum (Partnership between African and Canadian researchers working in HIV prevention field).

B. Selected peer-reviewed publications (in chronological order).

Seven publications selected from 10 peer-reviewed publications in scientific journals. In addition, there are 7 oral presentations at international scientific conferences.

1. Mboup A, Diabaté S, Béhanzin L, **Guédou FA**, Zannou DM, Kêkê RK, Bachabi M, Gangbo F, Marzinke MA, Hendrix C, Gagnon MP, Alary M. Determinants of HIV pre-exposure prophylaxis (PrEP) adherence among female sex workers in a demonstration study in Cotonou, Benin: a study of behavioral and demographic factors. *Sex Transm Dis*. 2021 Jan 14. doi: 10.1097/OLQ.0000000000001373. Epub ahead of print. PMID: 33448731.
2. Perrault Sullivan G, **Guédou FA**, Batona G, Kintin F, Béhanzin L, Avery L, Bédard E, Gagnon MP, Zannou DM, Kpatchavi A, Alary M. Overview and factors associated with pregnancies and abortions occurring in sex workers in Benin. *BMC Womens Health*. 2020 Nov 9;20(1):248. doi: 10.1186/s12905-020-01091-6. PMID: 33167931; PMCID: PMC7650197.
3. Tounkara FK, Tégouété I, **Guédou FA**, Keita B, Alary M. Prevalence and Factors Associated With HIV and Sexually Transmitted Infections Among Female Sex Workers in Bamako, Mali. *Sex Transm Dis*. 2020 Oct;47(10):679-685. doi: 10.1097/OLQ.0000000000001231. PMID: 32932403.
4. Tounkara FK, Tégouété I, **Guédou FA**, Goma-Matsétsé E, Koné A, Béhanzin L, et al. (2020) Human papillomavirus genotype distribution and factors associated among female sex workers in West Africa. *PLoS ONE* 15(11): e0242711. <https://doi.org/10.1371/journal.pone.0242711>
5. Mboup A, Béhanzin L, **Guédou F**, Giguère K, Geraldo N, Zannou DM, Kêkê RK, Bachabi M, Gangbo F, Affolabi D, Marzinke MA, Hendrix C, Diabaté S, Alary M. Comparison of adherence measurement tools used in a pre-exposure prophylaxis demonstration study among female sex workers in Benin. *Medicine (Baltimore)*. 2020 May 22;99(21):e20063. doi: 10.1097/MD.00000000000020063. PMID: 32481273; PMCID: PMC7249870.
6. Diallo M, Behanzin L, **Guédou FA**, Geraldo N, Goma-Matsetse 'E, Kania D, et al. (2020) HIV treatment response among female sex workers participating in a treatment as prevention demonstration project in Cotonou, Benin. *PLoS ONE* 15(1):e0227184. <https://doi.org/10.1371/journal.pone.0227184>
7. Giguère K, Béhanzin L, **Guédou FA**, Talbot D, Leblond F et al. PrEP Use Among Female Sex Workers: No Evidence for Risk Compensation. *JAIDS Journal of Acquired Immune Deficiency Syndromes* 82(3):1 July 2019. DOI: 10.1097/QAI.0000000000002134
8. Giguère K, Béhanzin L, **Guédou FA**, et al. Biological Validation of Self-Reported Unprotected Sex and Comparison of Underreporting Over Two Different Recall Periods Among Female Sex Workers in Benin. *Open Forum Infect Dis*. 2019;6(2):ofz010. Published 2019 Jan 9. doi:10.1093/ofid/ofz010
9. Mboup A, Behanzin L, **Guedou FA**, Geraldo N, Goma-Matsetse E, Giguere K et al. Early antiretroviral therapy and daily pre-exposure prophylaxis for HIV prevention among female sex workers in Cotonou, Benin: a prospective observational demonstration study. *Journal of the International AIDS Society* 2018, 21:e25208.
10. Alary M, Béhanzin L, **Guédou FA**, Geraldo N, Mastétsé EG, Singbo N et al. Contribution of biomarkers to the validation of self-reported condom use in a treatment as prevention and a pre-exposure prophylaxis demonstration study among female sex workers. September 2015 *Sexually Transmitted Infections* 91(Suppl 2):A242.2-A243 DOI: 10.1136/sextrans-2015-052270.628.

11. **Guédou FA**, Béhanzin L, Géraldo N, Mastésté EG, Singbo N, Sossa C et al. *Early antiretroviral therapy and pre-exposure prophylaxis for HIV prevention among female sex workers in Cotonou, Benin: early follow-up and adherence data. September 2015 Sexually Transmitted Infections 91(Suppl 2):A243.1-A243 DOI: 10.1136/sextrans-2015-052270.629.*
12. Tounkara FK, Diabaté S, **Guédou FA**, Ahoussinou C, Kintin F, Zannou DM, Kpatchavi A, Bédard E, Bitera R, Alary M. *Violence, condom breakage and HIV infection among female sex workers in Benin, West Africa. Sex Transm Dis 2014;41(5):312-318. doi: 10.1097/OLQ.0000000000000114.*
13. **Guédou FA**, Béhanzin L, Ahoussinou C, Batona G, Kintin F, Zannou M et al. *Adding extraneous lubricant to condom is associated with lower prevalence of gonococcal and chlamydial infections among female sex workers in Benin. June 2014 Sex Transm Dis. Conference: STD Prevention Conference 41.*
14. **Guédou FA**, Van Damme L, Deese J, Crucitti T, Mirembe F, Solomon S et al. *Intermediate vaginal flora and bacterial vaginosis are associated with the same factors: Findings from an exploratory analysis among female sex workers in Africa and India. November 2013 Sexually transmitted infections 90(2) DOI:10.1136/sextrans-2012-050896.*
15. Tounkara FK, **Guédou FA**, Ahoussinou C, Zannou M, Kpatchavi A, Kintin FD et al. *Relationship Between Violence and HIV Infection Among Female Sex Workers in Benin. July 2013 Sexually Transmitted Infections 89(Suppl 1):A181-A182 DOI: 10.1136/sextrans-2013-051184.0569.*
16. Alary M, Lowndes CM, Van de Perre P, Béhanzin L, Batona G, **Guédou F**, Konate I, Traore I, Asamoah-Adu C, Akinochi E, Nagot N. *Scale-up of combination prevention and antiretroviral therapy for female sex workers in West Africa: time for action. AIDS 2013;27:1369-1374. DOI:10.1097/QAD.0b013e32835fd7bd.*
17. **Guédou FA**, Van Damme L, Deese J, Crucitti T, Becker M, Mirembe F et al. *Behavioural and medical predictors of bacterial vaginosis recurrence among female sex workers: Longitudinal analysis from a randomized controlled trial. May 2013 BMC Infectious Diseases 13(1):208 DOI: 10.1186/1471-2334-13-208.*
18. **Guédou FA**, Van Damme L, Mirembe F, Solomon S, Becker M, Deese J et al. *Intermediate vaginal flora is associated with HIV prevalence as strongly as bacterial vaginosis in a cross-sectional study of participants screened for a randomised controlled trial. May 2012 Sexually transmitted infections 88(7) DOI: 10.1136/sextrans-2011-0503.*
19. **Guédou FA**, Van Damme L, Mirembe F, Solomon S, Becker M, Deese J et al. *Association between prevalent Bacterial vaginosis (BV) and HIV Infection among female sex workers at two African and two Indian sites. July 2011 Sexually Transmitted Infections 87(Suppl 1):A34-A35 DOI:10.1136/sextrans-2011-050109.30.*
20. Lajoie J, Loembe MM, Poudrier J, **Guédou FA**, Pépin J, Labbé AC et al. *Blood soluble human leukocyte antigen G levels are associated with human immunodeficiency virus type 1 infection in Beninese commercial sex workers. November 2009 Human immunology 71(2):182-5 DOI: 10.1016/j.humimm.2009.11.007.*