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I am a senior scientist in epidemiology at the French National Institute for Health and Medical Research (INSERM) and an associate professor in public health at the Bordeaux University where I coordinate the Master in International Health. Over the last 15 years, I have been designing, coordinating, analyzing and evaluating both clinical/epidemiological and programmatic/operational PMTCT / MNCH studies in African settings. I was based for long durations in Côte d'Ivoire (Abidjan) and rural South Africa (KwaZulu Natal). Part of my experience consisted in providing technical assistance on PMTCT in Côte d'Ivoire under both PEPFAR (with the national AIDS program) and ICAP (within the MTCT-Plus initiative). I was a consultant for UNAIDS under the Spectrum working group to estimate HIV-infected child survival in Africa and for WHO as the writer of the 2010 PMTCT guidelines and then as a core member of the consolidated 2013 and 2015 WHO guidelines development group on HIV & maternal and child health. Since 2013, I have been appointed by the HIV Department of WHO as a senior epidemiologist (associated investigator) for the two Nigerian studies of the eMTCT INSPIRE initiative (INtegrating and Scaling-up PMTCT through Implementation REsearch). I have authored or co-authored 60 publications mostly related to PMTCT and MNCH issues in sub-Saharan African settings.

Principales publications :

- Becquet R, Bequet L, Ekouevi DK, Viho I, Sakarovitch C, Fassinou P, Bedikou G, Timite-Konan M, Dabis F, Leroy V. Two-year morbidity-mortality and alternatives to prolonged breast-feeding among children born to HIV-infected mothers in Côte d'Ivoire. *PLoS Medicine* 2007;4(1): e17.
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- Becquet R, Marston M, Dabis F, Moulton LH, Gray G, Coovadia H, Essex M, Ekouevi DK, Jackson D, Coutoudis A, Kilewo C, Leroy V, Wiktor S, Nduati R, Msellati P, Zaba B, Ghys PD, Newell ML. Children who acquire HIV infection perinatally are at higher risk of early death than those acquiring infection through breastmilk: a meta-analysis. *PLoS One*. 2012;7(2):e28510.
- Becquet R, Bland RM, Leroy V, Rollins NC, Ekouevi DK, Coutoudis A, Dabis F, Coovadia HM, Salamon R, Newell ML. Duration, pattern of breastfeeding and postnatal transmission of HIV: pooled analysis of individual data from a West and South African cohort study. *PLoS One* 2009;4(10):e7397.
- Burgos-Soto J, Balestre E, Minga A, Ajayi S, Sawadogo A, Zanou MD, Leroy V, Ekouevi DK, Dabis F, Becquet R. Incidence of pregnancy following antiretroviral therapy initiation and associated factors in eight West African countries. *J Acquir Immune Defic Syndr* 2014;67(2):e45-54.
- Burgos-Soto J, Orne-Gliemann J, Encrenaz G, Patassi A, Woronowski A, Kariyare B, Lawson-Evi A, Leroy V, Dabis F, Ekouevi DK, Becquet R. Intimate partner sexual and physical violence among women in Togo, West-Africa: Prevalence, associated factors and the specific role of HIV infection. *Global Health Action* 2014;26(7):23456.
- Marston M, Becquet R, Zaba B, Moulton LH, Gray G, Coovadia H, Essex M, Ekouevi DK, Jackson D, Coutoudis A, Kilewo C, Leroy V, Wiktor S, Nduati R, Msellati P, Dabis F, Newell ML, Ghys PD. Net survival of perinatally and postnatally HIV-infected children: a pooled analysis of individual data from sub-Saharan Africa. *International Journal of Epidemiology*. 2011;40(2):385-396.
- Becquet R, Leroy V, Ekouevi DK, Viho I, Castetbon K, Fassinou P, Dabis F, Timite-Konan M. Complementary feeding adequacy in relation to nutritional status among early weaned breastfed children who are born to HIV-infected mothers: ANRS 1201/1202 Ditrane Plus, Abidjan, Côte d'Ivoire. *Pediatrics* 2006;117(4):e701-e710.
- Rollins NC, Becquet R, Orne-Gliemann J, Phiri S, Hayashi C, Baller A, Shaffer N. Defining and analyzing Retention-in-Care among pregnant and breastfeeding HIV-infected women: Unpacking the data to interpret and improve PMTCT outcomes. *J Acquir Immune Defic Syndr* 2014;67(2):S150-6.

- Arikawa S, Rollins NC, Newell ML, Becquet R. Systematic review and meta-analysis of mortality risk and associated factors in HIV-exposed uninfected children. *Trop Med Int Health*. 2016; 21(6):720-34.