

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
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NAME Audrey Elizabeth Pettifor		POSITION TITLE Assistant Professor	
eRA COMMONS USER NAME Audrey_Pettifor			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of Virginia, Charlottesville	BA	1996	Interdisciplinary, bio-medical ethics
University of California, Berkeley	MPH	2000	Maternal and Child Health
University of California, Berkeley	PhD	2004	Epidemiology

A. Positions and Honors

2001-2002	Graduate Student Researcher, AIDS Research Institute(ARI), University of California, San Francisco
2002-2003	Senior Researcher, Adolescent Health Division, Reproductive Health Research Unit, University of the Witwatersrand, Johannesburg, South Africa
2003- 2004	Research Director, Adolescent Health Division, Reproductive Health Research Unit, University of the Witwatersrand, Johannesburg, South Africa
2005- 2007	Research Instructor, Department of Epidemiology, University of North Carolina, Chapel Hill
2008-present	Assistant Professor, Department of Epidemiology, University of North Carolina, Chapel Hill
2008-present	Faculty Fellow, Carolina Population Center, University of North Carolina, Chapel Hill

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

Published

1. **Pettifor AE**, Rees HV, Beksinska ME, Kleinschmidt I, McIntyre J. In vitro assessment of the structural integrity of the female condom after multiple wash, dry, and re-lubrication cycles. *Contraception*. 2000 Apr;61(4):271-6. PMID: 10899483.
2. **Pettifor A**, Walsh J, Wilkins V, Raghunathan P. How effective is syndromic management of STDs?: A review of current studies. *Sex Transm Dis*. 2000 Aug;27(7):371-85. PMID: 10949428.
3. **Pettifor AE**, Beksinska ME, Rees HV, Mqoqi N, Dickson-Tetteh KE. The acceptability of reuse of the female condom among urban South African women. *J Urban Health*. 2001 Dec;78(4):647-57. PMID: 11796811.
4. Sahin-Hodoglugil NN, Woods R, **Pettifor A**, Walsh J. A comparison of cost-effectiveness of three protocols for diagnosis and treatment of gonococcal and chlamydial infections in women in Africa. *Sex Transm Dis*. 2003 May;30(5):455-69. PMID: 12916139.
5. **Pettifor AE**, van der Straten A, Dunbar MS, Shiboski SC, Padian NS. Early age of first sex: a risk factor for HIV infection among women in Zimbabwe. *AIDS*. 2004 Jul 2;18(10):1435-42. PMID: 15199320.
6. **Pettifor AE**, Measham DM, Rees HV, Padian NS. Sexual power and HIV risk, South Africa. *Emerg Infect Dis*. 2004 Nov;10(11):1996-2004. PMID: 15550214.
7. **Pettifor AE**, Rees HV, Kleinschmidt I, Steffenson AE, MacPhail C, Hlongwa-Madikizela L, Vermaak K, Padian NS. Young people's sexual health in South Africa: HIV prevalence and sexual behaviors from a nationally representative household survey. *AIDS*. 2005 Sep 23;19(14):1525-34. PMID: 16135907.
8. **Pettifor AE**, Kleinschmidt I, Levin J, Rees HV, MacPhail C, Madikizela-Hlongwa L, Vermaak K, Napier G, Stevens W, Padian NS. A community-based study to examine the effect of a youth HIV prevention intervention on young people aged 15-24 in South Africa: results of the baseline survey. *Trop Med Int Health*. 2005 Oct;10(10):971-80. PMID: 16185231.
9. Lane T, **Pettifor A**, Pascoe S, Fiamma A, Rees H. Heterosexual anal intercourse increases risk of HIV infection among young South African men. *AIDS*. 2006 Jan 2;20(1):123-5. PMID: 16327330.

10. Sayles JN, **Pettifor A**, Wong MD, MacPhail C, Lee SJ, Hendriksen E, Rees HV, Coates T. Factors associated with self-efficacy for condom use and sexual negotiation among South african youth. *J Acquir Immune Defic Syndr*. 2006 Oct 1;43(2):226-33. PMID: 16951647.
11. Operario D, **Pettifor A**, Cluver L, MacPhail C, Rees H. Prevalence of parental death among young people in South Africa and risk for HIV infection. *J Acquir Immune Defic Syndr*. 2007 Jan 1;44(1):93-8. PMID: 17075394.
12. **Pettifor AE**, Hudgens MG, Levandowski BA, Rees HV, Cohen MS. Highly efficient HIV transmission to young women in South Africa. *AIDS*. 2007 Apr 23;21(7):861-5. Erratum in: *AIDS*. 2007 Nov 30;21(18):2567. PMID: 17415041.
13. MacPhail C, **Pettifor A**, Pascoe S, Rees H. Predictors of dual method use for pregnancy and HIV prevention among adolescent South African women. *Contraception*. 2007 May;75(5):383-9. Epub 2007 Mar 2. PMID: 17434021.
14. **Pettifor AE**, Turner AN, Van Damme K, Hatzell-Hoke T, Rasamindrakotroka A, Nasution MD, Behets F. Increased risk of chlamydial and gonococcal infection in adolescent sex workers in Madagascar. *Sex Transm Dis*. 2007 Jul;34(7):475-8. PMID: 17237736.
15. Westreich D, **Pettifor A**, Karita E, Price M, Fiamma A, Fiscus S, Cohen M. Overestimation of the South African HIV incidence using the BED IgG assay? *S Afr Med J*. 2007 Jul;97(7):476, 478; author reply 478, 480. PMID: 17805444.
16. Hendriksen ES, **Pettifor A**, Lee SJ, Coates TJ, Rees HV. Predictors of condom use among young adults in South Africa: the Reproductive Health and HIV Research Unit National Youth Survey. *Am J Public Health*. 2007 Jul;97(7):1241-8. PMID: 17538062.
17. **Pettifor AE**, MacPhail C, Bertozzi S, Rees HV. Challenge of evaluating a national HIV prevention programme: the case of loveLife, South Africa. *Sex Transm Infect*. 2007 Aug;83 Suppl 1:i70-74. PMID: 17327261
18. MacPhail C, **Pettifor AE**, Pascoe S, Rees HV. Contraception use and pregnancy among 15-24 year old South African women: a nationally representative cross-sectional survey. *BMC Med*. 2007 Oct 28;5:31. PMID: 17963521.
19. Palekar R, **Pettifor A**, Behets F, Macphail C. Association Between Knowing Someone Who Died of AIDS and Behavior Change Among South African Youth. *AIDS Behav*. 2007 Nov 6. PMID: 17985226.
20. Kleinschmidt I, **Pettifor A**, Morris N, MacPhail C, Rees H. Geographic distribution of human immunodeficiency virus in South Africa. *Am J Trop Med Hyg*. 2007 Dec;77(6):1163-9. PMID: 18165541.
21. Moyo W, Levandowski BA, Macphail C, Rees H, **Pettifor A**. Consistent Condom Use in South African Youth's Most Recent Sexual Relationships. *AIDS Behav*. 2008 Jan 29. PMID: 18228125.
22. MacPhail CL, **Pettifor A**, Coates T, Rees H. "You must do the test to know your status": attitudes to HIV voluntary counseling and testing for adolescents among South African youth and parents. *Health Educ Behav*. 2008 Feb;35(1):87-104. PMID: 16870815.

Accepted/In-Press/Under-review

23. Operario D, Cluver L, Rees H, MacPhail C, **Pettifor A**. Orphanhood and completion of compulsory school education among young people in South Africa: evidence from a national representative survey. 16 pages. *Accepted Journal of Research on Adolescence 5/07*
24. Powers K, Poole C, **Pettifor A**, Cohen M. Rethinking the heterosexual infectivity of HIV-1: a systematic review and meta-analysis of observational studies. 39 pages. Submitted 2/08
25. Steffenson A, Seage G, **Pettifor A**, Rees H, Blendon R, Cleary P. Perceived Risk of HIV Infection: Informing HIV Screening in Resource Limited Settings. 25 pages. Submitted 2/08
26. Becker-Dreps S, Biddle A, **Pettifor A**, Musuamba G, Nku D, Meshnick S, Behets F. Cost-Effectiveness of Adding Malaria Prevention to a Vertical HIV Transmission Prevention Program. 22 pages. Submitted 2/08.
27. Celantano D, Chingono A, Genberg B, Kawichai S, Kilonzo G, Kulich M, Modiba P, **Pettifor A**, Richter L, Sweat M & NIMH Project Accept Study Team. Survey Methodology and Preliminary Results of the NIMH Project Accept Baseline Behavioral Assessment Sub-Saharan Africa and Northern Thailand. *Submitted 2/08*
28. **Pettifor A**, Taylor E, Nku D, Duvall S, Tabala M, Meshnick S, Behets F. Free distribution of insecticide treated bed nets to pregnant women in Kinshasa: an effective way to achieve 80% use by women and their newborns *Submitted 3/08*

29. **Pettifor A**, Taylor E, Nku D, Duvall S, Tabala M, Meshnick S, Behets F. Bed net ownership, use, and perceptions among women seeking antenatal care in Kinshasa, DRC: opportunities for improved maternal and child health *Submitted BMC Public Health 12/07*
30. **Pettifor A**, Levandowski B, MacPhail C, Padian N, Cohen M, Rees H. Keep them in school: the importance of education as a protective factor against HIV infection among young South African women. 21 pages. *Submitted IJE 11/07.*
31. **Pettifor A**, Mulembakani P, Duvall S, Holub C, Mukungo M, Ryder R, Latkin C, Behets F. HIV Prevention among Adolescents in Kinshasa through Network-Based Peer Intervention: Theoretical Basis, Trial Methods, Baseline Socio-Demographic and Behavioral Findings. 18 pages. *Submitted 43/08*

C. Research Support

INSTRUCTIONS: List selected ongoing or completed (during the last three years) research projects (federal and non-federal support). Begin with the projects that are most relevant to the research proposed in this application. Be sure to update the grant number for the current year. Briefly indicate the overall goals of the projects and your role (e.g. PI, Co-Investigator, Consultant) in the research project. Do not list award amounts or percent effort in projects.

Ongoing Research Support:

1R21HD058288-01 Pettifor (PI) 04/15/08-3/31/10
NIH/NICHD

A Culturally Appropriate Intervention for Young Couples in South Africa
Study to adapt and determine the feasibility and acceptability of a culturally appropriate intervention for young South African couples to reduce their risk of HIV acquisition.

(No Grant Number) 07/14/07 - 06/30/09

Duke University/NIAID

CHAVI 011: Formative Research to Enhance Recruitment, Retention, Prevention Counseling, and Partner Notification

The primary objectives of this project are to explore issues related to recruitment, retention and partner notification with regard to individuals with Acute HIV Infection (AHI) and their sex partners.

Role: Subcontract PI

5R24HD043551-05 Behets (PI) 09/27/02 - 08/31/08
NIH/NICHD

Peer Intervention as Pedagogic Paradigm in Kinshasa SPH

Phase III Randomized Control Study to examine the effect of a network based peer intervention project on HIV and STI reduction among adolescents in the Democratic Republic of Congo.

Role: Investigator

NSA-04-392 Behets (PI) 10/02/04 - 08/14/08

CONRAD, Eastern Virginia Medical School

Preventing Sexually Transmitted Infections using the Diaphragm with Microbicide: A Multi-Site Randomized Controlled Trial in Women at High Risk in Madagascar

Phase II/III Randomized Control Trial to examine the effect of a diaphragm plus candidate microbicide on STI incidence in women at high risk in Madagascar.

Role: Co-Investigator

Completed Research Support:

U19AI31496-15 Pettifor (PI) 01/01/06 - 12/31/07

Univ Washington/NIH

STIs, hormonal contraception and HIV risk among young women in South Africa

The specific aims of the proposed study are: 1) To describe the distribution and determinants of infection with STIs among young women in South Africa 2) To determine the role of STIs in increasing a young woman's risk of HIV infection in South Africa 2a) To determine the role of hormonal contraception in modifying the relationship between STIs and HIV acquisition in young women in South Africa 3) To determine the association between the use of hormonal contraception and STI acquisition in young women in South Africa.