

PRINCETON UNIVERSITY
WOODROW WILSON SCHOOL OF PUBLIC AND INTERNATIONAL AFFAIRS
SPRING TERM 2009

The Development Challenge of HIV/AIDS

Public Affairs 594k (half-term course)

Fridays: 9.00-12.00

Visiting Lecturer: Keith Hansen

Course Description

AIDS has reversed decades of development gains across southern and eastern Africa and poses a potential threat to other parts of the developing world. Because HIV/AIDS moved fast, hit many of the world's poorest nations, and has exploited stigma and silence, vital decisions had to be made quickly in an atmosphere of marked uncertainty, politicized debate, and scarce resources. This, combined with the unprecedented scale of the epidemics's impact, has complicated the policy response and underscores the importance of taking more evidence-based action in the years ahead. In recent years resources for HIV/AIDS have dramatically increased as global knowledge and experience have grown. This has raised hopes of preventing a deadly second wave, but has also generated more than one paradox of plenty.

The course is structured as an interactive seminar to analyze the pandemic as a policy issue. The first half will focus on the roots, nature, and impact of AIDS and the global failure to address it effectively in its early stages. We will briefly review the epidemiology of HIV, situating it in the context of other diseases and historical epidemics. We will then consider the purported pathways through which the epidemic affects development, including its potential impact on health, poverty, human capital, security, and economic performance. Special attention will be given to the role of social factors. In the second half, the course will review the wide range of responses to HIV/AIDS, identify the challenges to effective implementation, and derive lessons of success for broader application. Beyond the epidemic itself, the course will explore broader themes of the possibilities and the pathologies of the policy-making process—of both of which AIDS has become an archetype. It will examine the growing number of institutions engaged in AIDS and consider their potential consequences, both good and ill, for global health and development. Participants should take from the seminar a detailed understanding of AIDS as a policy issue, as well as the broader ability to apply lessons of the AIDS experience to other challenges of global policy.

Course Requirements

Each seminar member will be expected to participate in weekly discussions and to prepare a special subject for oral presentation in class one week. Performance will be evaluated on the basis of class participation and a paper at the end of the seminar.

Readings

The following is an extensive bibliography of important HIV/AIDS readings. Do not be intimidated; these are *not* all required. For the first session, only the readings with asterisks are required. Thereafter, a few readings will be assigned from the list each week according to the interests of seminar members. The rest are provided for information, reference, and oral assignments. There is no single textbook recommended for purchase. We will, however, draw several readings from certain volumes, as well as from the latest report on the epidemic from UNAIDS.

Session 1

How did we get here?

The nature and status of HIV/AIDS and the history of the global response

- Bongaarts, J., Buettner, T., Heilig, G. et al. 2008. Has the HIV epidemic peaked? *Population and Development Review*, 34: 199-224.
- *Garrett, L. 1994. *The Coming Plague*. New York: Farrar, Strauss & Giroux. Skim chapter 2 (“Health Transition”) and read chapter 11, section III (“Hatari”).
- Gellman, B. 2000. The Global Response to AIDS in Africa: World Shunned Signs of the Coming Plague. *The Washington Post*, July 5, 2000, p. A1.
- *Hansen, K. and Zewdie, D. 2002. “International Cooperation and Mobilization,” in Essex, M., Mboup, S., Kanki, P. et al. eds. *AIDS in Africa, Second Edition*, pp. 695-708. New York: Kluwer.
- *Piot, P. and Bartos, M. “The Epidemiology of HIV and AIDS.” *Ibid*.
- *UNAIDS. 2008. *Report on the Global AIDS Epidemic*. Geneva: UNAIDS. Chapter 2, pp. 32-62. Available at:
data.unaids.org/pub/GlobalReport/2008/jc1510_2008_global_report_pp29_62_en.pdf

Session 2

What has AIDS wrought?

Health, social, economic, and development impacts

Historical impact of epidemics

- Herlihy, D. 1997. *The Black Death and the Transformation of the West*. Cambridge: Harvard. Read one of: chapter 2 (“The New Economic and Demographic System”) or chapter 3 (“Modes of Thought and Feeling”).

McNeill, W. 1997. *Plagues and Peoples*. Anchor Press/Doubleday. Read Introduction (14 pp.) and skim chapter III (“Confluence of the Civilized Disease Pools of Eurasia,” 75 pp.).

The impact of AIDS

Ainsworth, M. and Filmer, D. 2006. Inequalities in children’s schooling: AIDS, orphanhood, poverty, and gender. *World Development*, 34(6): 1099-1128.

Aliber, M and Walker, C. 2006. The impact of HIV/AIDS on land rights: Perspectives from Kenya. *World Development*, 34(4): 704-727.

Crampin, A., Floyd, S., Glynn, J. et al. 2003. The long-term impact of HIV and orphanhood on the mortality and physical well-being of children in rural Malawi. *AIDS*, 17: 389-397.

Grassly, N., Desai, K., Pegurri, E. et al. 2003. The economic impact of HIV/AIDS on the education sector in Zambia. *AIDS*, 17: 1039-1044.

Nyambedha, E., Wandibba, S., and Aagaard-Hansen, J. 2003. Changing patterns of orphan care due to the HIV epidemic in western Kenya. *Social Science & Medicine*, 57: 301-311.

Parikh, A., DeSilva M., Cakwe, M. et al. 2007. Exploring the Cinderella myth: intrahousehold differences in child wellbeing between orphans and non-orphans in Amajuba District, South Africa. *AIDS*, 21(suppl 7): S95-103.

Ruxrungtham, K., Brown, T. and Phanuphak, P. 2004. HIV/AIDS in Asia. *Lancet*, 364: 69-82.

Schoofs, M. 1999. AIDS: The Agony of Africa. *The Village Voice*, vol. XLIV, no. 44. Available at www.villagevoice.com/specials/africa.

*UNAIDS. 2008. *Report on the Global AIDS Epidemic*. Geneva: UNAIDS. Chapter 6, pp. 160-177. Available at: data.unaids.org/pub/GlobalReport/2008/jc1510_2008_global_report_pp159_186_en.pdf

The economics of AIDS

Beegle, K. and De Weerd, J. 2008. Methodological issues in the study of the socioeconomic consequences of HIV/AIDS. *AIDS*, 22(suppl 1): S89-94.

- Birdsall, N. and Hamoudi, A. "AIDS and the Accumulation of Human Capital in Africa," in Haacker, M., ed., *The Macroeconomics of HIV/AIDS*, pp. 134-163. Washington: International Monetary Fund.
- Crafts, N. and Haacker, M. 2004. "Welfare Implications of HIV/AIDS," in Haacker, M., ed., *The Macroeconomics of HIV/AIDS*, pp. 182-197. Washington: International Monetary Fund.
- Greener, R. "The Impact of HIV/AIDS on Poverty and Inequality," in Haacker, M., ed., *The Macroeconomics of HIV/AIDS*, pp. 167-180. Washington: International Monetary Fund.
- Mahal, A., Canning, D., Odumosu, K. et al. 2008. Assessing the economic impact of HIV/AIDS on Nigerian households: a propensity score matching approach. *AIDS*, 22(suppl 1): S95-101.
- Rosen, S., Vincent, J., MacLeod, W. et al. 2004. The cost of HIV/AIDS to businesses in southern Africa. *AIDS*, 18: 317-324.
- Shiffman, J. 2008. Has donor prioritization of HIV/AIDS displaced aid for other health issues? *Health Policy and Planning*, 23: 95-100.

Security and conflict dimensions

- AIDS Security and Conflict Initiative reports (various). 2008. Available at: asci.researchhub.ssrc.org/rdb/asci-hub
- Barnett, T. and Dutta, I. 2008. HIV and state failure: Is HIV a security risk? Clingendael and Social Science Research Council: ASCI Research Report No. 7. (17 pp.) Available at: asci.researchhub.ssrc.org/hiv-and-state-failure-is-hiv-a-security-risk/attachment
- de Waal, A. 2006. *AIDS and power: Why there is no political crisis—yet*. London: Zed Books. Chapter 4 ("How African Democracies Withstand AIDS"), pp. 66-93.
- U.S. Central Intelligence Agency. 2000. *The Global Infectious Disease Threat and Its Implications for the United States (National Intelligence Estimate 99-17D)*. (35 pp.) Washington: CIA. Available at: www.fas.org/irp/threat/nie99-17d.htm
- Whiteside, A., de Waal, A., and Gebre-Tensae, T. 2006. AIDS, security and the military in Africa: A sober appraisal. *African Affairs*, 105/419: 201-218.

Session 3
Why is HIV so hard to stop?
Root causes and their influence on policies

Sexual and drug networks

Amirkhanian, Y., Kelly, J., Kirsanova, A. et al. 2006. HIV risk behaviour patterns, predictors, and sexually transmitted disease prevalence in the social networks of young men who have sex with men in St Petersburg, Russia. *International Journal of STD & AIDS*, 17(1): 50-56.

Campbell, C. 2000. Selling sex in the time of AIDS: the psycho-social context of condom use by sex workers on a Southern African mine. *Social Science & Medicine*, 50: 479-494.

Cleland, J. and Ferry, Benoit, eds. 1995. *Sexual Behavior and AIDS in the Developing World*. UK: Taylor and Francis/WHO. Chapter 6 (“Risk Perception and Behavioural Change”), pp. 157-192.

Epstein, H. 2007. *The Invisible Cure*. New York: Farrar Strauss. Chapter 4 (“The African Earthquake”), pp. 66-85.

Gysels, M., Pool, R., and Nnalusiba, B. 2002. Women who sell sex in a Ugandan trading town: life histories, survival strategies and risk. *Social Science & Medicine*, 54: 179-192.

Helleringer, S. and Kohler, H. 2007. Sexual network structure and the spread of HIV in Africa: evidence from Likoma Island, Malawi. *AIDS*, 21: 2323-2332.

Mathers, B., Degenhardt, L., Phillips, B., et al. 2008. Global epidemiology of injecting drug use and HIV among people who inject drugs: a systematic review. *Lancet*, 372: 1733-1745.

Pisani, E. 2008. *The Wisdom of Whores*. New York: Norton. Chapter 2 (“Landscapes of Desire”), pp. 43-83.

Ray, S., Latif, A., Machekano, R. et al. 1998. Sexual behaviour and risk assessment of HIV seroconvertors among urban male factory workers in Zimbabwe. *Social Science & Medicine*, 47: 1431-1443.

Social representations and stigma

Bryan, A., Fisher, J., and Benziger, T. 2001. Determinants of HIV risk among Indian truck drivers. *Social Science & Medicine*, 53: 1413-1426.

- Chatterjee, P. 2003. Spreading the word about HIV/AIDS in India. *Lancet*, 361: 1526-1529.
- Gauri, V. and Lieberman, E. 2006. Boundary Institutions and HIV/AIDS Policy in Brazil and South Africa. *Studies in Comparative International Development*, 41: 47-73.
- Kaler, A. 2004. AIDS-talk in everyday life: the presence of HIV/AIDS in men's informal conversation in Southern Malawi. *Social Science & Medicine*, 59: 285-297.
- Goodwin, R., Kozlova, A., Kwiatkowska, A., et al. 2003. Social representations of HIV/AIDS in Central and Eastern Europe. *Social Science & Medicine*, 56: 1373-1384.
- Marston, C. and King, E. 2006. Factors that shape young people's sexual behavior: a systematic review. *Lancet*, 368: 1581-1586.
- Pronyk, P., Harpham, T., Morison, L. et al. 2008. Is social capital associated with HIV risk in rural South Africa? *Social Science & Medicine*, 66: 1999-2010.
- Stansbury, J. and Sierra, M. 2004. Risks, stigma, and Honduran Garífuna conceptions of HIV/AIDS. *Social Science & Medicine*, 59: 457-471.
- Roehr, B., 2008. The invisible epidemic. *BMJ*, 337: 1262-1264.

Socioeconomic factors

- Fortson, J. 2008. The gradient in sub-Saharan Africa: socioeconomic status and HIV/AIDS. *Demography*, 45: 303-322.
- Mishra, V., Bignami-Van Assche, S., Greener, R. et al. 2007. HIV infection does not disproportionately affect the poorer in sub-Saharan Africa. *AIDS*, 21(suppl 7): S17-28.

Violence and conflict

- Jewkes, R. 2007. Comprehensive response to rape needed in conflict settings. *Lancet*, 369: 2140-2141.
- Spiegel, P. Bennedsen, A., Claass, J. et al. 2007. Prevalence of HIV infection in conflict-affected and displaced people in seven sub-Saharan African countries: a systematic review. *Lancet*, 369: 2187-2195.

Youth and vulnerability

- Eaton, L., Flisher, A., and Aarø, L. 2003. Unsafe sexual behaviour in South African youth. *Social Science & Medicine*, 56: 149-165.
- Lacey, M. 2003. For Ugandan Girls, Delaying Sex Has Economic Cost. *New York Times*, August 18, A4.
- Leclerc-Madlala, S. 2008. Age-disparate and intergenerational sex in southern Africa: the dynamics of hypervulnerability. *AIDS*, 22(suppl 4): S17-25.
- Moore, A., Biddlecom, A., and Zulu, E. 2007. Prevalence and meanings of exchange of money or gifts for sex in unmarried adolescent sexual relationships in sub-Saharan Africa. *African Journal of Reproductive Health*, 11: 44-61.

Session 4

How can we prevent the spread of HIV and mitigate the impact of AIDS?
Technical aspects of prevention

Optimizing prevention: “combination prevention,” targeting and comprehensiveness

- Ainsworth, M. and Teokul, W. 2000. Breaking the silence. *Lancet*, 356: 55-60.
- Allen, T. and Heald, S. 2004. HIV/AIDS policy in Africa: what has worked in Uganda and what has failed in Botswana? *Journal of International Development*, 16: 1141-1154.
- Bautista, S., Gadsden, P., Harris, J. et al. 2008. Optimizing resource allocation for HIV/AIDS prevention programmes: an analytical framework. *AIDS*, 22(suppl 1): S67-74.
- Collins, C., Coates, T., and Curran, J. 2008. Moving beyond the alphabet soup of HIV prevention. *AIDS*, 22(suppl 2): S5-8.
- Desmond, N., Allen, C., Clift, S. et al. 2005. A typology of groups at risk of HIV/STI in a gold mining town in north-western Tanzania. *Social Science & Medicine*, 60: 1739-1749.
- Gregson, S., Garnett, G., Nyamukapa, C. et al. 2006. HIV Decline Associated with Behavior Change in Eastern Zimbabwe. *Science*, 311: 664-666.

- Hogan, D., Baltussen, R., and Hayashi, C. 2006. Cost-effectiveness analysis of strategies to combat HIV/AIDS in developing countries. *BMJ*, 331: 1431-1437. Available at: <http://www.bmj.com/cgi/reprint/331/7530/1431>
- Merson, M., O'Malley, J., Serwadda, D. et al. 2008. The history and challenge of HIV prevention. *Lancet*, 372: 475-488.
- Potts, M., Halperin, D., Kirby, D. et al. 2008. Reassessing HIV prevention. *Science*, 320: 749-750.
- State Council AIDS Working Committee Office and the UN Theme Group on HIV/AIDS in China. 2004. *A Joint Assessment of HIV/AIDS Prevention, Treatment and Care in China*. Available at: www.casy.org/engdocs/new_joint_en.pdf
- *UNAIDS. 2008. *Report on the Global AIDS Epidemic*. Geneva: UNAIDS. Chapter 4. pp. 97-127. Available at: data.unaids.org/pub/GlobalReport/2008/jc1510_2008_global_report_pp95_128_en.pdf
- Wilson, D. and Halperin, D. 2008. "Know your epidemic, know your response": a useful approach, if we get it right. *Lancet*, 372: 423-426.
- In reply:* Merson, M. et al. 2008. *Lancet*, 372: 1805-1806.
- Specific interventions*
- Blankenship, K., West, B., Kershaw, T. et al. 2008. Power, community mobilization, and condom use practices among female sex workers in Andhra Pradesh, India. *AIDS*, 22(suppl 5): S109-116.
- Corbett, A., Makamure, B., Cheung, Y. et al. 2007. HIV incidence during a cluster-randomized trial of two strategies providing voluntary counseling and testing at the workplace, Zimbabwe. *AIDS*, 21: 483-489.
- Darbes, L., Crepaz, N., Lyles, C. et al. 2008. The efficacy of behavioral interventions in reducing HIV risk behaviors and incident sexually transmitted diseases in heterosexual African Americans. *AIDS*, 22: 1177-1194.
- Foss, A., Hossain, M., Vickerman, P. et al. 2007. A systematic review of published evidence on intervention impact on condom use in sub-Saharan Africa and Asia. *Sexually Transmitted Infections*, 83: 510-516.
- Gable, L., Gostin, L. and Hodge, J. 2008. HIV/AIDS, reproductive and sexual health, and the law. *American Journal of Public Health*, 98: 1779-1786.

Gallant, M. and Maticka-Tyndale, E. 2004. School-based HIV prevention programmes for African youth. *Social Science & Medicine*, 58: 1337-1351.

Gray, R. and Wawer, M. 2008. Reassessing the hypothesis on STI control for HIV prevention. *Lancet*, 371: 2064-2065.

In reply: O'Farrell, N. 2008. *Lancet*, 372: 1297

In response: Gray, R. and Wawer, M. 2008. *Lancet*, 372: 1297-1298.

Herbst, J., Kay, L., Passin, W. et al. 2007. A systematic review and meta-analysis of behavioral interventions to reduce HIV risk behaviors of Hispanics in the United States and Puerto Rico. *AIDS and Behavior*, 11: 25-47.

Johnson, M. and Fauci, A. 2008. An HIV vaccine—challenges and prospects. *New England Journal of Medicine*, 359: 888-890.

Matovu, J., Gray, R., Kiwanuka, N. et al. 2007. Repeat voluntary HIV counseling and testing (VCT), sexual risk behavior and HIV incidence in Rakai, Uganda. *AIDS Behavior*, 11: 71-78. Available at:
<http://www.springerlink.com/content/8353k1m35p487u1v/fulltext.pdf>

Moses, S., Ramesh, B., Naglekerke, N. 2008. Impact of an intensive HIV prevention programme for female sex workers on HIV prevalence among antenatal clinic attenders in Karnataka state, south India: an ecological analysis. *AIDS*, 22(suppl 5): S101-108.

Okie, S. 2007. Sex, drugs, prisons, and HIV. *New England Journal of Medicine*, 356: 105-108.

Shelton, J. 2008. Counselling and testing for HIV prevention. *Lancet*, 372: 273-275.

———. 2007. Ten myths and one truth about generalized HIV epidemics. *Lancet*, 370: 1809-1811.

Tesoriero, J., Battles, H., Heavner, K. et al. 2008. The effect of name-based reporting and partner notification on HIV testing in New York state. *American Journal of Public Health*, 98: 728-735.

Underhill, K., Montgomery, P., Operario, D. 2007. Sexual abstinence only programs to prevent HIV infection in high income countries: systematic review. *BMJ*, 335: 248-.

Walker, D., Gutierrez, J.P., Torres, P. et al. 2006. HIV prevention in Mexican schools: prospective randomized evaluation of intervention. *BMJ*, 332: 1189-1194.

Weiss, H., Halperin, D., Bailey, R. et al. 2008. Male circumcision for HIV prevention: from evidence to action? *AIDS*, 22: 567-574.

Wellings, K., Collumbien, M., Slaymaker, E. et al. 2006. Sexual behaviour in context: a global perspective. *Lancet*, 368: 1706-1728.

Session 5

How can we prevent the spread of HIV and mitigate the impact of AIDS? Social dimensions of prevention / Expanding care, support, and treatment

Social and structural dimensions

Amirkhanian, Y., Kelly, J., Kabakchieva, E. et al. 2005. A randomized social network HIV prevention trial with young men who have sex with men in Russia and Bulgaria. *AIDS*, 19: 1897-1905.

Ao, T., Sam, N., Manongi, R. et al. 2003. Social and behavioral determinants of consistent condom use among hotel and bar workers in Northern Tanzania. *International Journal of STD and AIDS*, 14: 688-696.

Campbell, C. and MacPhail, C. 2002. Peer education, gender and the development of critical consciousness: participatory HIV prevention by South African youth. *Social Science & Medicine*, 55: 331-345.

Christakis, N. and Fowler, J. 2008. The collective dynamics of smoking in a large social network. *New England Journal of Medicine*, 358: 2249-2258.

Cleland, J. and Watkins, S. 2006. The key lesson of family planning programmes for HIV/AIDS control. *AIDS*, 20:1-3.

Epstein, H. 2007. *The Invisible Cure*. New York: Farrar Strauss. Chapter 9 ("The Invisible Cure"), pp. 155-171.

Evans, C. and Lambert, H. 2008. Implementing community interventions for HIV prevention: insights from project ethnography. *Social Science & Medicine*, 66: 467-478.

Green, E., Halperin, D., Nantulya, V. et al. 2006. Uganda's HIV Prevention Success: The Role of Sexual Behavior Change and the National Response. *AIDS and Behavior*, 10(4): 335-346. Available at:
<http://www.springerlink.com/content/h00r4n6521805w27/fulltext.pdf>

Gregson, S., Terceira, N., Mushati, P. et al. 2004. Community group participation: Can it help young women to avoid HIV? An exploratory study of social capital and school education in rural Zimbabwe. *Social Science & Medicine*, 58: 2119-2132.

- Hendriksen, E., Pettifor, A., Lee, S. et al. 2007. Predictors of condom use among young adults in South Africa: the Reproductive Health and HIV Research Unit National Youth Survey. *American Journal of Public Health*: 97: 1241-1248.
- Herbst, J., Sherba, R., Crepaz, N. et al. 2005. A meta-analytic review of HIV behavioral interventions for reducing sexual risk behavior of men who have sex with men. *Journal of Acquired Immune Deficiency Syndromes*, 39: 228-241.
- Kelly, J., Amirkhanian, Y., Kabakchieva, E. et al. 2006. Prevention of HIV and sexually transmitted diseases in high risk social networks of young Roma (Gypsy) men in Bulgaria: randomized controlled trial. *BMJ*, 333: 1098-1101.
- Low-Beer, D. and Stoneburner, R. 2003. Behaviour and communication change in reducing HIV: is Uganda unique? *African Journal of AIDS Research*, 2: 9–21. Available at <http://www.cadre.org.za/pdf/CANUganda.pdf>.
- Lugalla, J., Emmelin, M., Mutumbei, A., et al. 2004. Social, cultural and sexual behavioral determinants of observed decline in HIV infection trends: lessons from the Kagera Region, Tanzania. *Social Science & Medicine*, 59: 185-198.
- Ng'weshemi, J., Boerma, T., Bennett, J. and Schapnik, D., eds. 1997. *HIV prevention and AIDS care in Africa: A district level approach*. Amsterdam: Royal Tropical Institute. Chapters 1, 2, and 7-9.
- Phillips, M. 2001. New Taboos: To Help Fight AIDS, Tanzanian Villages Ban Risky Traditions. *The Wall Street Journal*, January 12, 2001, p. A1.
- Pisani, E. 2007. We can't wait for equality. *The Guardian*, Dec. 1, 2007.
- Pritchett, L. and Woolcock, M. 2004. Solutions When *the* Solution is the Problem: Arraying the Disarray in Development. *World Development*, 32: 191-212.
- Smith, K. and Watkins, S. 2005. Perceptions of risk and strategies for prevention: responses to HIV/AIDS in rural Malawi. *Social Science & Medicine*, 60: 649-660.
- Stoneburner, R. and Low-Beer, D. 2004. Population-Level HIV Declines and Behavioral Risk Avoidance in Uganda. *Science*, 304: 714-718. Available at www.sciencemag.org/cgi/reprint/304/5671/714.pdf?ijkey=46cff837218a1ccc424c39db7403bc75c344f4c9
- Watkins, S., Swidler, A. and Biruk, C. 2009. "Hearsay Ethnography: A Method for Learning About Responses to Health Interventions" in Pescosolido, J., Martin, J., and Rogers, A. eds. *The Handbook of the Sociology of Health, Illness & Healing* (forthcoming).

Impact mitigation and stigma reduction

- Simbayi, L., Kalichman, S., Strebel, A. et al. 2007. Internalized stigma, discrimination, and depression among men and women living with HIV/AIDS in Cape Town, South Africa. *Social Science and Medicine*, 64: 1823-1831
- Luginaah, I., Elkins, D., Maticka-Tyndale, E. et al. 2005. Challenges of a pandemic: HIV/AIDS-related problems affecting Kenyan widows. *Social Science & Medicine*, 60: 1219-1228.
- Yanqiu, R. 2008. "If you get AIDS... You have to endure it alone": Understanding the social constructions of HIV/AIDS in China. *Social Science and Medicine*, 65: 284-295.

Treatment and its impacts

- Badri, M., Maartens, G., Mandalia, S. et al. 2006. Cost-Effectiveness of Highly Active Antiretroviral Therapy in South Africa. *PLoS Med* 3(1): 48-56. Available at www.plosmedicine.org.
- Bezemer, D., de Wolf, F., Boerlijst, M. et al. 2008. A resurgent HIV-1 epidemic among men who have sex with men in the era of potent antiretroviral therapy. *AIDS*, 22: 1071-1077.
- Canning, D. 2006. The economics of HIV/AIDS in low-income countries: The case for prevention. *Journal of Economic Perspectives*, 20(3): 121-142.
- Cohen, J. 2008. Botswana's success comes at steep cost. *Science*, 321: 526-529.
- Creese, A., Floyd, K., Alban, A. et al. 2002. Cost-effectiveness of HIV/AIDS interventions in Africa: a systematic review of the evidence. *Lancet*, 359: 1635-1643.
- Granich, R., Gilks, C., Dye, C. et al. 2009. Universal voluntary HIV testing with immediate antiretroviral therapy as a strategy for elimination of HIV transmission: a mathematical model. *Lancet*, 373: 48-57.
- In reply:* Garnett G. et al. 2009. *Lancet*, 373: 9-11.
- Lampthey, P. and Wilson, D. 2005. Scaling Up AIDS Treatment: What is the Potential Impact and What Are the Risks? *PLoS Med* 2(2): e39. Available at medicine.plosjournals.org/perlserv/?SESSID=8a088a5a862900aa40abb558c464c5fe&request=get-document&doi=10.1371/journal.pmed.0020039

- Pisani, E. 2008. The plague is over, let's party. *Prospect*, June 2008. Available at: www.prospect-magazine.co.uk/article_details.php?id=10184
- Revenga, A., Over, M., Masaki, E. et al. 2006. *The Economics of Effective AIDS Treatment: Evaluating Policy Options for Thailand*. Washington: World Bank. Executive Summary (22 pp.)
- Salomon, J., Hogan, D., Stover, J. et al. 2005. Integrating HIV Prevention and Treatment: From Slogans to Impact. *PLoS Med* 2(1) e16: 50-56. Available at www.plosmedicine.org.
- Wolfe, W., Weiser, S., Leiter, K. et al. 2008. The impact of universal access to antiretroviral therapy on HIV stigma in Botswana. *American Journal of Public Health*, 98: 1865-1872.

Session 6

Are we making any difference, and how do we know? **Monitoring and evaluating the consequences of programs**

Monitoring and evaluation

- Bennett, S., Boerma, J. and Brugha, R. 2006. Scaling up HIV/AIDS evaluation. *Lancet*, 367: 79-82.
- Bollinger, L., Cooper-Arnold, K., and Stover, J. 2004. Where are the gaps? The effects of HIV-prevention interventions on behavioral change. *Studies in Family Planning*, 35(1): 27.
- Diaz, T., De Cock, K., Brown, T. et al. 2005. New strategies for HIV surveillance in resource-constrained settings: an overview. *AIDS*, 19(suppl 2): S1-8.
- Hallett, T., Garnett, G., Mupamberiyi, Z. et al. 2007. Measuring effectiveness in community randomized trials of HIV prevention. *International Journal of Epidemiology*, 37: 77-87.
- Pervilhac, C., Stover, J., Pisani, E. et al. 2005. Using HIV surveillance data: recent experiences and avenues for the future. *AIDS*, 19(suppl 2): S53-58.
- UNAIDS/WHO. 2000. *Guidelines for Second Generation HIV Surveillance*. Geneva: WHO and UNAIDS. (40 pp.)

Wu, Z., Sullivan, S., Wang, Y. et al. 2007. Evolution of China's response to HIV/AIDS. *Lancet*, 369: 679-690.

Zaba, B., Slaymaker, E., Urassa, M. et al. 2005. The role of behavioral data in HIV surveillance. *AIDS*, 19(suppl 2): S39-52.

Program impacts and consequences

Chataway, J. and Smith, J. 2006. The International AIDS Vaccine Initiative (IAVI): Is It Getting New Science and Technology to the World's Neglected Majority? *World Development*, 34(1): 16-30.

Cohen, J. 2008. The great funding surge. *Science*, 321: 512-519.

Epstein, H. 2007. *The Invisible Cure*. New York: Farrar Strauss. Chapter 13 ("The Lost Children of AIDS"), pp. 213-227.

Godwin, P., O'Farrell, N., Fylkenes, K. et al. 2006. Five myths about the HIV epidemic in Asia. *PLoS Med* 3(10) e426: 1703-1707. Available at www.plosmedicine.org.

Hartwig, K., Eng, E., Daniel, M. et al. 2005. AIDS and "shared sovereignty" in Tanzania from 1987 to 2000: a case study. *Social Science & Medicine*, 60: 1613-1624.

Hesketh, T. 2007. HIV/AIDS in China: the numbers problem. *Lancet*, 369: 621-623.

O'Manique, C. and Labonte, R. 2008. Rethinking (Product) RED. *Lancet*, 371: 1561-1563.

Pisani, E. 2008. *The Wisdom of Whores*. New York: Norton. Chapter 8 ("Ants in the Sugar Bowl"), pp. 269-300.

Seckinelgin, H. 2006. The multiple worlds of NGOs and HIV/AIDS: Rethinking NGOs and their agency. *Journal of International Development*, 18: 715-727.

Swidler, A. and Watkins, S. 2009. 'Teach a man to fish': The doctrine of sustainability and its social consequences. (43 pp.) *World Development* (forthcoming).

Tawfik, L. and Watkins, S. 2007. Sex in Geneva, sex in Lilongwe, and sex in Balaka. *Social Science and Medicine*, 64: 1090-1101.

Reference Material

UNAIDS/WHO remains the authoritative source for global data (www.unaids.org). The journals cited in the syllabus are the most important regular sources for emerging material. There is also a broad range of general books on AIDS, spanning an equally broad range of quality. The most notable:

- *The Wisdom of Whores*, by Elizabeth Pisani (forthcoming 2008)
- *Sizwe's Test*, by Jonny Steinberg (2008)
- *The Invisible Cure*, by Helen Epstein (2007)
- *AIDS in the 21st Century: Disease and Globalization (2nd edition)*, by Tony Barnett and Alan Whiteside (2006)
- *AIDS and Power*, by Alex de Waal (2006)
- *The Epidemic: A Global History of AIDS*, by Jonathan Engels (2006)
- *"Letting them Die": Why HIV/AIDS Prevention Programmes Fail*, by Catherine Campbell (2003)
- *AIDS in Africa, 2nd edition*. Max Essex, Souleymane Mboup, et al., eds. (2002)
- *Confronting AIDS: Public Priorities in a Global Epidemic*, The World Bank (1997)
- *And the Band Played On*, by Randy Shilts (1985)