

PRINCETON UNIVERSITY
WOODROW WILSON SCHOOL OF PUBLIC AND INTERNATIONAL AFFAIRS
SPRING TERM 2007

The Development Challenge of HIV/AIDS

Public Affairs 594k (half-term course)

Fridays: 9.00-12.00

Visiting Lecturer: Keith Hansen

Course Description

HIV/AIDS poses the foremost threat to development in southern and eastern Africa and a potential threat to other parts of the developing world. In many countries, the pandemic has already devastated one generation and is poised to undermine the development prospects of the next. Because HIV/AIDS moves fast, has hit many of the world's poorest nations, and preys on stigma and silence, vital decisions have had to be made quickly in an atmosphere of marked uncertainty, politicized debate, and scarce resources. This, combined with the unprecedented scale of the pandemic's impact, has complicated the policy response and underscores the importance of taking more informed, strategic action in the years ahead. In recent years resources for HIV/AIDS have substantially increased at the same time as global knowledge and experience have grown. This raises hopes of preventing a deadly second wave while coping with the vast impact AIDS has already had.

The course is structured as an interactive seminar to analyze the pandemic as a policy issue and as both a cause and consequence of particular development patterns. AIDS will be treated globally, but much of the discussion will center on Africa, where the epidemic is most advanced and the most difficult policy challenges lie. The first half of the course 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 analyze the purported pathways through which AIDS affects development, including its potential impacts on demography, poverty, productivity, human capital, social capital, public investment, security, and economic growth. In the second half, the course will turn to the wide range of responses to the pandemic, identify the many challenges to effective implementation, and derive lessons of success for broader application. This section will pay special attention to the complexities of mainstreaming HIV/AIDS activities into sector policies, to the politically charged issues of HIV treatment, and to the growing consequences, both good and ill, of the global HIV/AIDS response. 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 development threats yet to be foreseen.

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. All readings are on reserve in the library; many are also available on the Internet. 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 of HIV/AIDS and the history of the global response

*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. “International Cooperation and Mobilization,” in Essex, M., Mboup S., Kanki, P. et al. eds. 2002. *AIDS in Africa, Second Edition*. New York: Kluwer.

*Piot, P. and Bartos, M. “The Epidemiology of HIV and AIDS.” *Ibid*.

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

*UNAIDS. 2006. *AIDS Epidemic Update December 2006*. Geneva: UNAIDS. Pages 1-9 (“Global Summary” and “Introduction” plus one regional chapter of your choice. Available at: www.unaids.org.

Session 2
What has AIDS wrought?
Social, economic, and development impact

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 one of: Introduction, chapter III (“Confluence of the Civilized Disease Pools of Eurasia”) or chapter V (“Transoceanic Exchanges”).

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.

Bicego, G., Rutstein, S., and Johnson, K. 2003. Dimensions of the emerging orphan crisis in sub-Saharan Africa. *Social Science & Medicine*, 56: 1235-1247.

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.

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

UNAIDS. 2006. *Report on the Global HIV/AIDS Epidemic 2006*. Geneva: UNAIDS. Chapter 4, pages 79-102 (“The impact of AIDS on people and societies”). Available at: www.unaids.org.

World Bank. 2002. *Education and HIV/AIDS: A Window of Hope*, pp. 11-25. Washington: World Bank.

The economics of AIDS

Arndt, C. and Lewis, J. 2000. *The Macro Implications of HIV/AIDS in South Africa: A Preliminary Assessment*. Washington: World Bank Africa Region Working Paper Series No. 9.

Bell, C., Devarajan, S. and Gersbach, H. 2004. "Thinking About the Long-Run Economic Costs of AIDS," in Haacker, M., ed., *The Macroeconomics of HIV/AIDS*, pp. 96-133. Washington: International Monetary Fund.

Bonnel, R. 2000. *HIV/AIDS: Does it Increase or Decrease Growth in Africa?* Washington: World Bank.

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." *Ibid.*, pp. 167-181.

Hamoudi, A. and Sachs, J. 2002. "The Economics of AIDS in Africa," in *AIDS in Africa, Second Edition*.

Lewis, J. 2004. "Assessing the Demographic and Economic Impact of HIV/AIDS," in Kauffman, K. and Lindauer, D., eds., *AIDS and South Africa: the Social Expression of a Pandemic*. New York: Palgrave (pages 97-119).

Over, M. 1992. *The Macro Impact of AIDS in Sub-Saharan Africa*. Washington: World Bank.

Rosen, S., Vincent, J., MacLeod, W. et al. 2004. The cost of HIV/AIDS to businesses in southern Africa. *AIDS*, 18: 317-324.

Security and conflict dimensions

Spiegel, P. 2004. HIV/AIDS among Conflict-affected and Displaced Populations: Dispelling Myths and Taking Action. *Disasters*, 28: 322-339. Available at: www.unhcr.ch.

U.S. Central Intelligence Agency. 2000. *The Global Infectious Disease Threat and Its Implications for the United States (National Intelligence Estimate 99-17D)*. Washington: CIA. At: www.cia.gov/cia/publications/nie/report/nie99-17d.html.

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 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.
- Atlani, L., Caraël, M., Brunet, J. et al. 2000. Social change and HIV in the former USSR: the making of a new epidemic. *Social Science & Medicine*, 50: 1547-1556.
- Caldwell, J.C., Orubuloye, I.O. and Caldwell, P. 1999. "Obstacles to behavioural change to lessen the risk of HIV infection in the African AIDS epidemic: Nigerian research" in Caldwell, J.C., Caldwell, P., Anarfi, J. et al. eds. *Resistances to Behavioural Change to Reduce HIV/AIDS Infection in Predominantly Heterosexual Epidemics in Third World Countries*. Canberra: Health Transition Centre, Australian National University (10 pp.)
- 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.
- 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.
- Kishindo, P. 1996. Sexual behavior in the face of risk: the case of bar girls in Malawi's major cities. *Health Transition Review*, 5(suppl): 153-160.
- Monitoring the AIDS Pandemic (MAP) Network. 2004. *AIDS in Asia: Face the Facts*, ch. 2 (pages 32-61). Available at www.mapnetwork.org/reports/aids_in_asia.html and www.who.int/hiv/pub/epidemiology/aids_in_asia/en/.
- Ray, S., Latif, A., Machezano, 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.

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

Stigma and social representation

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.

Stansbury, J. and Sierra, M. 2004. Risks, stigma, and Honduran Garífuna conceptions of HIV/AIDS. *Social Science & Medicine*, 59: 457-471.

Injecting drug use

Rhodes, T., Lowndes, C., Judd, A., et al. 2002. Explosive spread and high prevalence of HIV infection among injecting drug users in Togliatti City, Russia. *AIDS*, 16: F25-F31.

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.

MacPhail, C. and Campbell, C. 2001. "I think condoms are good but, aai, I hate those things": condom use among adolescents and young people in a Southern African township. *Social Science & Medicine*, 52: 1613-1627.

Session 4

How can we prevent the spread of HIV? Technical Aspects of Prevention

National experiences

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.

del Rio, C. and Sepúlveda, J. 2002. AIDS in Mexico: lessons learned and implications for developing countries. *AIDS*, 16:1445–1457.

Fylkesnes, K., Musonda, R., Sichone, M. et al. 2001. Declining HIV prevalence and risk behaviours in Zambia: evidence from surveillance and population-based surveys. *AIDS*, 15: 907-916,

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

Gregson, S., Garnett, G., Nyamukapa, C. et al. 2006. HIV Decline Associated with Behavior Change in Eastern Zimbabwe. *Science*, 311: 664-666.

Levi, G. and Vitória, M. 2002. Fighting against AIDS: the Brazilian experience. *AIDS*, 16: 2373-2383.

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. 1999. *Acting early to prevent AIDS: The case of Senegal*. Geneva: UNAIDS.

Zaba, E., Pisani, E., Slaymaker, E. et al. 2004. Age at first sex: understanding recent trends in African demographic surveys. *Sexually Transmitted Infections*, 80:28-35.

Targeting vs. comprehensiveness

Ainsworth, M. and Teokul, W. 2000. Breaking the silence. *Lancet*, 356: 55-60.

- 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.
- 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.
- Eggar, M. et al. 2000. Promotion of condom use in a high-risk setting in Nicaragua. *Lancet*, 355: 2101-2105.
- Ghys, P., Diallo, M., Ettiegne-Traore, V. et al. 2002. Increase in condom use and decline in HIV and sexually transmitted diseases among female sex workers in Abidjan, Côte d'Ivoire, 1991-1998. *AIDS*, 16: 251-258.
- 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>
- Lamprey, P., Zeitz, P., and Larivee, C. 2002. *Strategies for an Expanded and Comprehensive Response (ECR) to a National HIV/AIDS Epidemic: A Handbook for Designing and Implementing HIV/AIDS Programs*. Canada: Family Health International and USAID.
- Mills, S. 2000. Back to behavior: prevention priorities in countries with low HIV prevalence. *AIDS*, 14(suppl. 3): S75-S84.
- Singh, S., Darroch, J., and Bankole, A. 2003. *A, B and C in Uganda: The Roles of Abstinence, Monogamy and Condom Use in HIV Decline*. Alan Guttmacher Institute. Available at: www.guttmacher.org/pubs/or_abc03.pdf.
- Stover, J., Walker, N., Garnett, G. et al. 2002. Can we reverse the HIV/AIDS pandemic with an expanded response? *Lancet*, 360: 73-77.
- Tawil, O., O'Reilly, K., Coulibaly, I.M. et al. 1999. HIV prevention among vulnerable populations: outreach in the developing world. *AIDS*, 13(suppl. A): S239-S247.
- UNAIDS. 2006. *Report on the Global HIV/AIDS Epidemic 2006*. Geneva: UNAIDS. Chapter 6, pages 123-147 ("Comprehensive HIV prevention.") Available at: www.unaids.org.
- Walker, D., Gutierrez, J.P., Torres, P. et al. 2006. HIV prevention in Mexican schools: prospective randomized evaluation of intervention. *BMJ*, 332: 1189-1194.

World Bank. 1997. *Confronting AIDS: Public Priorities in a Global Epidemic*. New York: Oxford. Read chapter 4 (“Coping with the impact of AIDS”). Available at: www.worldbank.org/aids-econ/confront/confrontfull/

Specific interventions

- Amuyunzu-Nyamongo, M., Tendo-Wambua, L., Babishangire, B. et al. 1999. “Barriers to behaviour change as a response to sexually transmitted diseases including HIV/AIDS: the East African experience” in Caldwell, J.C., Caldwell, P., Anarfi, J. et al., eds. *Resistances to Behavioural Change to Reduce HIV/AIDS Infection in Predominantly Heterosexual Epidemics in Third World Countries*. Canberra: Health Transition Centre, Australian National University.
- Auvert, B., Taljaard, D., Lagarde, E. et al. Randomized, Controlled Intervention Trial of Male Circumcision for Reduction of HIV Infection Risk: The ANRS 1265 Trial. *PLoS Med* 2(11): e298. Available at www.plosmedicine.org.
- Barnes, J.R. 1999. The Impact of Social Marketing on HIV/AIDS. *AIDS Analysis Africa*, 10: 8-10.
- Caldwell, J.C. 1999. Reasons for limited sexual behavior change in the Sub-Saharan African epidemic, and potential future intervention strategies. *Ibid*.
- Gallant, M. and Maticka-Tyndale, E. 2004. School-based HIV prevention programmes for African youth. *Social Science & Medicine*, 58: 1337-1351.
- Lamprey, P. and Price, J. 1998. Social marketing, sexually transmitted diseases and HIV prevention: a consumer-centered approach to achieving behavior change. *AIDS*, 12(suppl 2): S1-S9.
- Mupemba, K. 1999. “The Zimbabwe HIV prevention programme for truck drivers and commercial sex workers: a behaviour change intervention,” in Caldwell, J.C., Caldwell, P., Anarfi, J. et al., eds. *Resistances to Behavioural Change to Reduce HIV/AIDS Infection in Predominantly Heterosexual Epidemics in Third World Countries*. Canberra: Health Transition Centre, Australian National University.
- Population Services International. 2003. Will Balbir Pasha get AIDS??? Case Study.
- Skordis, J. and Natrass, N. 2002. Paying to waste lives: the affordability of reducing mother-to-child transmission of HIV in South Africa. *Journal of Health Economics*, 21: 405-421.
- The Voluntary HIV-1 Counseling and Testing Efficacy Study Group. 2000. Efficiency of voluntary HIV-1 counseling and testing in individuals and couples in Kenya, Tanzania and Trinidad. *Lancet*, 356: 103-112.

Session 5

How can we cope with 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.
- Asthana, S., and Oostvogels, R. 1996. Community participation in HIV prevention: problems and prospects for community-based strategies among female sex workers in Madras. *Social Science & Medicine*, 43: 133-148.
- Cleland, J. and Watkins, S. 2006. The key lesson of family planning programmes for HIV/AIDS control. *AIDS*, 20:1-3.
- 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..
- 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.
- Kesby, M. 2000. Participatory diagramming as a means to improve communication about sex in rural Zimbabwe: a pilot study. *Social Science and Medicine*, 50:1723-1741.
- 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 www.hsph.harvard.edu/hcpds/documents/Low-Beer1.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.
- Miller, D., Scheffler, R., Lam, S. et al. 2006. Social capital and health in Indonesia. *World Development*, 34(6): 1084-1098.

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.

Pritchett, L. and Woolcock, M.. 2004. Solutions When *the* Solution is the Problem: Arraying the Disarray in Development. *World Development*, 32: 191-212.

Shelton, J. 2006. Confessions of a condom lover. *Lancet*, 368: 1947-1949.

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

Gender

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.

Green, G., Pool, R., Harrison, S., et al. 2001. Female control of sexuality: illusion or reality? Use of vaginal products in south west Uganda. *Social Science & Medicine*, 52: 585-598.

Impact mitigation

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.

Trussell, J. and Cohen, B., eds. 1996. *Preventing and Mitigating AIDS in Sub-Saharan Africa: Research and Data Priorities for the Social and Behavioral Sciences*. Washington, DC: National Academy Press, chapter 6 ("Mitigating the Impact of the Epidemic").

UNICEF. 2006. *Africa's Orphaned and Vulnerable Children*. New York: UNICEF. Available at: http://www.unicef.org/publications/files/Africas_Orphaned_and_Vulnerable_Generations_Children_Affected_by_AIDS.pdf

World Bank. 2001. *Social Protection of Africa's Orphans and Vulnerable Children: Issues and Good Practice Program Options* (esp. pp. 13-31). Washington: World Bank Africa Region Human Development Working Paper Series. Available at: www.worldbank.org/afr/hd/wps/African_Orphans.pdf

World Bank. 2002. *Education and HIV/AIDS: A Window of Hope*, pp. 27-43. Washington: World Bank.

Care, support and treatment

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.

Bautista-Arredondo, S., Manea, A., and Bertozzi, S. 2006. Economic impact of antiretroviral therapy prescription decisions in the context of rapid scaling-up of access to treatment: lessons from Mexico. *AIDS*, 20: 101-109.

Canning, D. 2006. The economics of HIV/AIDS in low-income countries: The case for prevention. *Journal of Economic Perspectives*, 20(3): 121-142.

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.

Kovsted, J. 2005. Scaling up AIDS treatment in developing countries: a review of current and future arguments. *Development Policy Review*, 23(4): 465-482.

Lamptey, 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 www.plosmedicine.org.

Laurent, C., Diakhate, N., Gueye, N. et al. 2002. The Senegalese government's highly active antiretroviral therapy initiative: an 18-month follow-up study. *AIDS*, 16: 1363-1370.

Revenge, A., Over, M., Masaki, E. et al. 2006. *The Economics of Effective AIDS Treatment: Evaluating Policy Options for Thailand*. Washington: World Bank. (Executive Summary)

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.

- Thirumurthy, H., Zivin, J., and Goldstein, M. 2005. The economic impact of AIDS treatment: Labor supply in western Kenya. NBER Working Paper 11871. Available at: <http://www.nber.org/papers/w11871> (49 pp.)
- UNAIDS. 2004. *Report on the Global HIV/AIDS Epidemic 2004*. Geneva: UNAIDS. Pages 99-122 (“Treatment, care and support....”) Available at: www.unaids.org.
- Wools-Kaloustian, K., Kimaiyo, S., Diero, L. et al. 2006. Viability and effectiveness of large-scale HIV treatment initiatives in sub-Saharan Africa: experience from western Kenya. *AIDS*, 20: 41-48.
- Zewdie, D., Lange, J. and Kuritzkes, D., eds. 2004. Resistance and adherence. *AIDS*, 18(suppl. 3). [This is a special issue of *AIDS* devoted entirely to the subject of treatment in developing countries.]

Session 6

Are we making any difference, and how do we know?

Implementation, Monitoring and Evaluation, and 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-S8.
- 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-S58.
- Rehle, T., Saidel, T., Mills, S. and Magnani, R., eds. 2001. *Evaluating Programs for HIV/AIDS Prevention and Care in Developing Countries: A Handbook for Program Managers and Decision Makers*. Family Health International.
- UNAIDS/WHO. 2000. *Guidelines for Second Generation HIV Surveillance*. Geneva: WHO and UNAIDS. (40 pp.)
- Wegbreit, J., Bertozzi, W., DeMaria, L. et al. 2006. Effectiveness of HIV prevention strategies in resource-poor countries: tailoring the intervention to the context. *AIDS*, 20: 1217-1235.

Zaba, B., Slaymaker, E., Urassa, M. et al. 2005. The role of behavioral data in HIV surveillance. *AIDS*, 19(suppl 2): S39-S52.

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.

de Waal, A. 2006. *AIDS and Power: Why There is No Political Crisis – Yet*. (New York: Palgrave).

Epstein, H. 2005. God and the Fight Against AIDS. *New York Review of Books*, 52(7).

Epstein, H. 2005. The Lost Children of AIDS. *New York Review of Books*, 52(17).

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.

Leclerc, S. 2005. Juggling AIDS and Social Grants: Local Narratives of a Woeful Predicament. Paper presented at Anthropology Southern Africa Conference.

UNAIDS. 2006. *Report on the Global HIV/AIDS Epidemic 2006*. Geneva: UNAIDS. Chapter 3, pages 51-78 (“Progress in countries”). Available at: www.unaids.org.



Reference Material

UNAIDS/WHO remains the authoritative source for global data (see www.unaids.org). Given the pace of events with HIV/AIDS, the most important empirical and analytic material emerges in working papers, conference abstracts, websites and journals long before appearing (if at all) in books. There is, however, a broad range of general books on AIDS, spanning an equally broad range of quality. Among the most notable:

- *AIDS in the 21st Century: Disease and Globalization (2nd edition)*, by Tony Barnett and Alan Whiteside (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)
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