

# **CRITICAL POLICY ISSUES IN THE HIV/AIDS PANDEMIC**

**Spring 2004 GHD 596b/HPA 596b**

**Mondays, 10:00am-11:50am; LEPH 103**

**Michael Merson MD, Instructor  
Sahar Rooholamini MPH, Teaching Assistant**

<b>January 12</b>	<b>Introduction to Course, Global Epidemiology of HIV/AIDS</b>
<b>Week of January 19 (to be arranged)</b>	<b>Film screening: Myths, Morality, Stigma and HIV</b>
<b>January 26</b>	<b>Prevention of Sexual Transmission</b>
<b>February 2</b>	<b>Harm Reduction</b>
<b>February 9</b>	<b>Injection and Blood Safety</b>
<b>February 16</b>	<b>Antiretroviral Drugs: Access and Use</b>
<b>February 23</b>	<b>Perinatal Transmission</b>
<b>March 1</b>	<b>Orphans and Vulnerable Children (OVC)</b>
<b>March 22</b>	<b>Gender, Development and Poverty in the HIV/AIDS Pandemic</b>
<b>March 29</b>	<b>Security, Human Rights and HIV/AIDS</b>
<b>April 5</b>	<b>Global Governance, Resources and the HIV/AIDS Pandemic</b>
<b>April 12</b>	<b>National Case Studies: Uganda and India</b>
<b>April 19</b>	<b>Future of the Pandemic: What's Ahead</b>

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## **SESSION OBJECTIVES**

After each session, students will gain an understanding of the:

### **January 12 Global Epidemiology of HIV/AIDS**

- o Etiology, transmission and natural history of HIV infection
- o Epidemiological status and projections for the HIV/AIDS pandemic

### **Week of January 19 (TBA) Myths, Morality, Stigma and HIV**

- o Causes and nature of stigma associated with HIV/AIDS and the discrimination that the disease has wrought
- o Impact of stigma and discrimination on the course of and response to the pandemic
- o Intersection of science and politics in HIV/AIDS policymaking processes

### **January 26 Prevention of Sexual Transmission**

- o Strategies to prevent sexual transmission and their relative efficacy and impact
- o Barriers to implementation of these prevention strategies and successful approaches to overcome them

### **February 2 Harm Reduction**

- o Harm reduction strategies, globally and locally, and their relative efficacy and impact
- o Barriers to implementation of harm reduction strategies and successful approaches to overcome them

### **February 9 Injection and Blood Safety**

- o Elements of injection and blood safety and strategies for their achievement
- o Relative importance of medical injection practices in transmission of HIV
- o Factors responsible for the HIV epidemic in China related to blood collection practices

### **February 16 Antiretroviral Drugs: Access and Use**

- o Challenges and feasibility of providing antiretroviral therapy in resource poor settings
- o Lessons learned from pilot programs for comprehensive care (hospital-based, community-based, etc.) and their implications for expanded access

## **February 23 Perinatal Transmission**

- o Comprehensive strategies for the interruption of perinatal transmission in resource poor settings
- o Controversies around existing testing strategies and potential ways to address them

## **March 1 Orphans and Vulnerable Children (OVC)**

- o Impact of HIV/AIDS on children, with specific attention to the situation of OVC
- o Limitations of current strategies to provide care and support for OVC

## **March 22 Gender, Development and Poverty in the HIV/AIDS Pandemic**

- o Global disparities in risk and HIV status based on gender and socioeconomic status
- o Interaction between HIV/AIDS, poverty and underdevelopment
- o Use of structural and environmental interventions at the societal level and constraints on their implementation

## **March 29 Security, Human Rights and HIV/AIDS**

- o Impact of HIV/AIDS on security at individual, community, national and regional levels
- o Human rights issues and controversies raised by the pandemic

## **April 5 Global Governance, Resources and the HIV Pandemic**

- o Complexities of global governance and priority setting in responding to the pandemic
- o Resource needs, strategies and mobilization

## **April 12 National Case Studies: Uganda and India**

- o Integrated approaches, and barriers, to implementing HIV prevention and care activities in low- and middle-income countries
- o Key players and organizations in the national response to HIV/AIDS

## **April 19 Future of the Pandemic: What's Ahead**

- o Prospect for new tools: HIV vaccines and microbicides and their potential impact
- o Review of factors that will influence the course of the pandemic in different regions of the world

# Reading List

## **January 12--Global Epidemiology of HIV/AIDS**

Sepkowitz K. AIDS-the first 20 years. NEJM 2001; 344(23): 1764-1772.

National Intelligence Council. The Next Wave of HIV/AIDS: Nigeria, Ethiopia, Russia, India, and China. 2002.

UNAIDS. AIDS epidemic update: December 2003. Geneva: UNAIDS.

## **January 19--Myths, Morality, Stigma and HIV**

Brandt A. No Magic Bullet: A Social History of Venereal Disease in the United States since 1880. Oxford University Press, 1987; 183-204.

Parker R, Aggleton P. HIV and AIDS-related stigma and discrimination: a conceptual framework and implications for action. Social Science and Medicine 2003; 57: 13-24.

## **January 26--Prevention of Sexual Transmission**

Jemmott J, et al. Abstinence and safer sex HIV risk-reduction interventions for African American adolescents. JAMA 1998; 279: 1529-1536.

Gray R, et al. Probability of HIV-1 transmission per coital act in monogamous, heterosexual, HIV-1 discordant couples in Rakai, Uganda. Lancet 2001; 357(9263): 1149-1153.

Hawken MP, et al. Opportunity for prevention of HIV and sexually transmitted infections in Kenyan youth: results of a population-based survey. JAIDS 2002; 31(5): 529-535.

Morris M, Kretzschmar M. Concurrent partnerships and the spread of HIV. AIDS 1997; 11: 641-648.

Weir SS, et al. From people to places: focusing AIDS prevention efforts where it matters most. AIDS 2003; 17: 895-903.

Stover J, et al. Can we reverse the HIV/AIDS pandemic with an expanded response? Lancet 2002; 360: 73-77.

Donovan B, Ross MW. Preventing HIV: determinants of sexual behaviour. Lancet 2000; 355: 1897-1901.

## **February 2--Harm Reduction**

Hunt N. A review of the evidence-base for harm reduction approaches to drug use. Forward Thinking on Drugs (FTD) 2003.

[\*The Hunt article is a broad introduction to harm reduction that may prove useful to you; do not feel overwhelmed by it, and read the sections that will enhance your understanding of harm

reduction principles and approaches.\*]

Gibson D, Flynn N, Perales D. Effectiveness of syringe exchange programs in reducing HIV risk behavior and HIV seroconversion among injecting drug users. *AIDS* 2001; 15: 1329-1341.

Bluthenthal RN, et al. Collateral damage in the war on drugs: HIV risk behaviors among injection drug users. *International Journal of Drug Policy* 1999; 10: 25-38.

Friedman SR, et al. Laws prohibiting over-the-counter syringe sales to injection drug users: relations to population density, HIV prevalence, and HIV incidence. *American Journal of Public Health* 2001; 91: 791-793.

Kral A. et al. Sexual transmission of HIV-1 among injecting drug users in San Francisco, USA: risk-factor analysis. *Lancet* 2001; 357: 1397-1401.

Hammett TM, et al. Development and implementation of a cross-border HIV prevention intervention for injection drug users in Ning Ming County (Guangxi Province), China and Lang Son Province, Vietnam. *International Journal of Drug Policy* 2003; 14: 389-398.

### **February 9--Injection and Blood Safety**

Feldman E, Bayer R. (Eds.) *Blood Feuds: AIDS, Blood and the Politics of Medical Disaster*. New York: Oxford University Press, 1999. Introduction and Chapter 1.

Moore A, et al. Estimated risk of HIV risk by blood transfusion in Kenya. *Lancet* 2001; 358: 657- 660.

Gisselquist et al. Let it be sexual: how health care transmission of AIDS in Africa was ignored. *International Journal of STD and AIDS* 2003; 14: 148-161.

Schmid GP et al. Eliminating unsafe injections is important, but will have little impact on HIV transmission in sub-Saharan Africa.

[\* Please note that there are two files for this reading--the article (.doc) and figures (.ppt).\*]

Human Rights Watch. *Locked Doors: The human rights of people living with HIV/AIDS in China* (2003). Volume 15, No. 7(C).

[\*We will re-visit human rights issues outlined in this report later in the course; please read Section IV.G. on the Henan blood scandal for today's class.\*]

### **February 16--Antiretroviral Drugs: Access and Use**

#### **\*REQUIRED READINGS\***

D'Adesky A. HIV generics: ready for a revolution? *The amfAR Treatment Insider* November 2003; p. 1-6.

Levi GC, Vitoria MA. Fighting against AIDS: the Brazilian experience. *AIDS* 2002; 16: 2373-2383.

WHO/DFID. Provision of antiretroviral therapy in resource-limited settings: a review of experience up to August 2003, pp. 1-24 (Executive Summary and Review of Experience).

Blower S, et al. Predicting the impact of antiretrovirals in resource-poor settings: preventing HIV infections whilst controlling drug resistance. *Current Drug Targets-Infectious Disorders* 2003; 3: 345-353.

Weiser et al. Barriers to antiretroviral adherence for patients living with HIV infection and AIDS in Botswana. *JAIDS* 2003; 34(3):281-288.

Katz MH, et al. Impact of highly active antiretroviral treatment on HIV seroincidence among men who have sex with men: San Francisco. *American Journal of Public Health* 2002; 92: 388-394.

**\*RECOMMENDED READINGS (NOT REQUIRED)\***

MSF. Doha derailed: a progress report on TRIPS and access to medicines.

Farmer P, et al. Community-based approaches to HIV treatment in resource-poor settings. *Lancet* 2001; 358: 404-409.

## **February 23--Perinatal Transmission**

**\*REQUIRED READINGS\***

Nolan ML, Greenberg Alan E, Fowler MG. A review of clinical trials to prevent mother-to-child HIV-1 transmission in Africa and inform rational intervention strategies. *AIDS* 2002; 16: 1991-1999.

WHO. Strategic Approaches to the Prevention of HIV Infection in Infants: Report of a WHO Meeting, Morges, Switzerland 20-22 March 2002.

[\*Please read Chapter 4, "The Elements of a Comprehensive Strategy," pp. 9-13.\*]

Perez-Then E, et al. Preventing mother-to-child HIV transmission in a developing country: the Dominican Republic experience. *JAIDS* 2003; 34(5): 506-511.

Malonza IM, et al. The effect of rapid HIV-1 testing on uptake of perinatal HIV-1 interventions: a randomized clinical trial. *AIDS* 2003; 17: 113-118.

Mbori-Ngacha D, et al. Morbidity and mortality in breastfed and formula-fed infants of HIV-1-infected women: a randomized clinical trial. *JAMA* 2001; 286(19): 2413-2420.

Coatsoudis A. Free formula milk for infants of HIV-infected women: blessing or curse? *Health Policy and Planning* 2002; 17: 154-160.

**\*RECOMMENDED READINGS\***

WHO/MTCT-Plus Initiative. Saving Mothers, Saving Families: The MTCT-Plus Initiative: Case Study. July 2003.

Stringer JSA, et al. Nevirapine to prevent mother-to-child transmission of HIV-1 among women of unknown serostatus. *Lancet* 2003; 362: 1850-1853.

### **March 1--Orphans and Vulnerable Children (OVC)**

#### **\*REQUIRED READINGS\***

UNICEF. *Africa's Orphaned Generations*. November 2003.

Foster G. Supporting community efforts to assist orphans in Africa. *NEJM* 2002; 346(24): 1907-1910.

Deininger K, et al. AIDS-induced orphanhood as a systemic shock: magnitude, impact and program interventions in Africa. *World Development* 2003; 31(7): 1201-1220.

#### **\*RECOMMENDED READING\***

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

### **March 22--Gender, Development and Poverty in the HIV/AIDS Pandemic**

#### **\*REQUIRED READINGS\***

UNAIDS. *HIV/AIDS, human resources and sustainable development*. World Summit on Sustainable Development, Johannesburg, 2002.

Rao Gupta G. Gender, sexuality, and HIV/AIDS: the what, the why, and the how. Plenary Address, XIII International AIDS Conference. July 12, 2000.

Maman S, et al. HIV-positive women report more lifetime partner violence: findings from a voluntary counseling and testing clinic in Dar es Salaam, Tanzania. *AJPH* 2002; 92(8): 1331-1337.

Kelly RJ, et al. Age differences in sexual partners and risk of HIV-1 infection in rural Uganda. *JAIDS* 2003; 32:446-451.

Kerrigan D, et al. Environmental-structural factors significantly associated with consistent condom use among female sex workers in the Dominican Republic. *AIDS* 2003; 17: 415-423.

Parker RG, et al. Structural barriers and facilitators in HIV prevention: a review of international research. *AIDS* 2000; 14 (suppl. 1): S22-S32.

#### **\*RECOMMENDED READING\***

Human Rights Watch. *Just die quietly: domestic violence and women's vulnerability to HIV in Uganda*. August 2003.

## **March 29--Security, Human Rights and HIV/AIDS**

### **\*REQUIRED READINGS\***

ICG. HIV/AIDS as a security issue. June 2001.

UNAIDS. On the front line: a review of policies and programs to address HIV/AIDS among peacekeepers and uniformed services. August 2003.

Wolffers et al. Migration, human rights, and health. *Lancet* 2003; 362:2019-2020.

Lurie MN, et al. Who infects whom? HIV-1 concordance and discordance among migrant and non-migrant couples in South Africa. *AIDS* 2003; 17:2245-2252.

Annas GJ. The right to health and the nevirapine case in South Africa. *NEJM* 2003; 348(8): 750-754.

De Waal A and Whiteside A. New variant famine: AIDS and food crisis in southern Africa. *Lancet* 2003; 362: 1234-1237.

Human Rights Watch. Locked Doors: The human rights of people living with HIV/AIDS in China (2003). Volume 15, No. 7(C).

[\*Focus on Section IV. Human Rights and HIV/AIDS in China.\*]

### **\*RECOMMENDED READINGS\***

Hankins CA, et al. Transmission and prevention of HIV and sexually transmitted infections in war settings: implications for current and future armed conflicts. *AIDS* 2002; 16: 2245-2252.

UNAIDS. Fighting AIDS. HIV/AIDS prevention and care among armed forces and UN peacekeepers: the case of Eritrea. August 2003.

## **April 5--Global Governance, Resources, and the HIV/AIDS Pandemic**

### **\*REQUIRED READINGS\***

Kaiser Family Foundation. HIV/AIDS policy fact sheet: Global funding for HIV/AIDS in resource poor settings. January 2004 (#6114).

Marseille E, et al. HIV prevention before HAART in sub-Saharan Africa. *Lancet* 2002; 359: 1851-1856.

McNeil, Jr., DG. Africans outdo U.S. patients in following AIDS therapy. *New York Times* 2003; September 3.

UN General Assembly. Progress towards implementation of the Declaration of Commitment on HIV/AIDS: Report of the Secretary-General. Fifty-eighth session; 25 July 2003 (A/58/184).

Global Fund to Fight AIDS, Tuberculosis and Malaria. Brochure, 2003.

Bendell J. Waking up to risk: Corporate responses to HIV/AIDS in the workplace. UNRISD/UNAIDS, Paper Number 12, October 2003.

CSIS HIV/AIDS Task Force. The President's Emergency Plan for AIDS Relief Status Report. February 2004.

Cohen RM. Testimony from MSF: Townhall Meeting on the President's Emergency Plan for AIDS relief (PEPFAR). 16 December 2003.

**\*RECOMMENDED READING\***

UN General Assembly. Twenty-Sixth Special Session. Declaration of Commitment on HIV/AIDS. 2 August 2001 (A/RES/S-26/2).

### **April 12--National Case Studies: Uganda and India**

ALL students:

UNAIDS. Comparative analysis: research studies from India and Uganda. HIV and AIDS-related discrimination, stigmatization and denial. Geneva: June 2000.

Students assigned to INDIA:

Background handouts and compiled emails (all in one document).

Schaffer TC, Mitra P. India at the crossroads: confronting the HIV/AIDS challenge. CSIS, January 2004.

Ekstrand M, Garbus L, Marseille E. HIV/AIDS in India. UCSF Country AIDS Policy Analysis Project, August 2003. [**\*\*Executive Summary pp.6-17\*\***].

Hawkes S, Santhya KG. Diverse realities: sexually transmitted infections and HIV in India. Sex Transm Infect 2002; 78(Suppl.1):i31-i39.

Lawyers Collective HIV/AIDS Unit. Women and HIV/AIDS—the perpetual battle of the “Better Half”s. Newsletter #10, August-September 2001.

Students assigned to UGANDA:

Background handouts and compiled emails (all in one document).

Garbus L and Marseille E. HIV/AIDS in Uganda. UCSF Country AIDS Policy Analysis Project, August 2003. [**\*\*Executive Summary pp.6-15\*\***].

Cohen S. Guttmacher Report on Public Policy. December 2003. pp. 1-3.

Nalugoda F, et al. Burden of infection among heads and non-heads of rural households in Rakai, Uganda. *AIDS Care* 2004; 16(1): 107-115.

Kelly RJ, et al. Age difference in sexual partners and risk of HIV-1 infection in rural Uganda. *JAIDS* 2003; 32(4): 446-451.

### **April 19--Future of the Pandemic: What's Ahead**

Campo R. Questions for an epidemic. *NEJM* 2004; 350(10): 968-970.

Morrison JS and Summers T. United to fight HIV/AIDS? *The Washington Quarterly* Autumn 2003; 26(4): 177-193.

IAVI. Global Science Fact Sheet (from [www.iavi.org](http://www.iavi.org)).

WHO-UNAIDS-CDC Consultation, Geneva, 20-21 November 2002. Public health considerations for the use of a first generation HIV vaccine. *AIDS* 2003; 17 (15): W1-W10.

Bass E. Ethics, antiretrovirals and prevention trials. *IAVI Report* 7(3), September 2003-January 2004.

Kresge K. Agreeing to disagree: the future of microbicides. *AmfAR Treatment Insider*, October 2003, pp.1-6.

Ford N, et al. The role of civil society in protecting public health over commercial interests: lessons from Thailand. *Lancet* 2004; 363: 560-563.

Gayle H. Curbing the global AIDS epidemic. *NEJM* 2003; 348(18): 1802-1805.