The spread of the acquired immunodeficiency syndrome (AIDS), since it was identified in 1981, is impressive. There are probably over 50 million individuals living with HIV/AIDS worldwide. The actual number is only an estimate as most nations do not have an ongoing surveillance system in place. The size of the epidemic is further increased by new infections, which are continuously occurring in the absence of an effective control mechanism. Given the fact that there is no cure for AIDS and behavior modification is the only approach for prevention, it becomes increasingly important for program planners and evaluators to have a solid foundation on the social and behavioral determinants associated with HIV/AIDS education, prevention and control programs, research issues and methodological considerations.

This course will review and discuss the conceptual framework, research questions, and scientific methodologies directed toward the prevention of AIDS. Topics to be discussed include the identification of various programs that seek to limit the transmission of HIV, especially those that target viral transmission through sexual intercourse and through needle sharing among intravenous drug users.

Course Objectives

1) To be able to identify and discuss the salient features of scientifically based, behaviorally-oriented intervention programs designed to reduce the spread of HIV

2) To acquire significant knowledge of the professional literature on health educational programs directed toward the prevention of AIDS

3) To identify barriers to AIDS-prevention programs

4) To identify mechanisms in which AIDS prevention programs can be integrated into ongoing public health education programs

LEARNING OBJECTIVES/ ASPH Competencies/Social and Behavioral Sciences

1. To gain knowledge and insights into the social and behavioral factors related to the AIDS epidemic.
   E2 Identify the causes of social and behavioral factors that affect health of individuals and populations
   E6 Describe the role of social and community factors in both onset and solution of public health problems.
   B3, B5, B7, B8 SBS3, SBS5, SBS7, SBS9

2. To identify educational approaches, which are culturally, sensitive and appropriate to the needs and values of populations affected by the AIDS virus.
E4. Identify critical stakeholders for the planning, implementation and evaluation of public health programs, policies and interventions.

E5. Describe steps and procedures for the planning, implementation and evaluation of public health programs, policies, and interventions.

E8. Apply evidence-based approaches in the development and evaluation of social and behavioral science interventions.

B3, B5, B7, B8/ SBS3, SBS5, SBS7, SBS9

3. To present an intervention design and an evaluation strategy to reduce transmission of HIV

E5. Describe steps and procedures for the planning, implementation and evaluation of public health programs, policies, and interventions.

E8. Apply evidence-based approaches in the development and evaluation of social and behavioral science interventions.

B3, B5, B7, B8/ SBS3, SBS5, SBS7, SBS9

4. To analyze current HIV policies nationally and internationally

E5. Describe steps and procedures for the planning, implementation and evaluation of public health programs, policies, and interventions.

E8. Apply evidence-based approaches in the development and evaluation of social and behavioral science interventions.

E2 Identify the causes of social and behavioral factors that affect health of individuals and populations

E6 Describe the role of social and community factors in both onset and solution of public health problems.

B3, B5, B7, B8/ SBS3, SBS5, SBS7, SBS9

Students can enroll for 2 or 4 credits. Students enrolling for 2 credits will be required to attend classes each week, take the final exam (oral presentation); students enrolling for 4 credits will be required to take the final exam (oral presentation) and prepare a 15-20 page paper (double spaced, not including references or tables/figures) which reviews various methodological considerations, operationalization and measurement of the constructs (independent and dependent variables) and approaches to be incorporated in conducting targeted behavioral research programs directed at HIV-preventive behaviors. Impact and outcome assessment will be discussed during the first class. This report is due on or before Tuesday June 4, 2013.

Guidelines for the Final Paper

Your paper will address the social and psychosocial aspects of a specific HIV/AIDS-related behavior, such as unprotected sexual intercourse, sharing needles/syringes, use of tainted blood products, etc. By focusing on the behavior, you will be able to quickly identify the particular target group.

Some educational programs directed at HIV risk reduction activities among groups of individuals have been quite successful in their attempts, while others have been dismal failures. Discuss the features of successful and unsuccessful intervention strategy targeted towards various social and environmental determinants of specific high-risk behaviors. Include in your paper the following points:

1. Identify at least three studies that have reported, through empirical research methods, the components of an intervention program directed toward specific AIDS-reduction behaviors. Discuss their strengths and weaknesses of their assessment activities and how appropriate they were to the needs of the population.
Discuss and assess how each variable (dependent and independent variables) were measured and quantified. This includes the operationalization of the variable, measurement level (nominal, ordinal, interval or ratio), and how the variable was collected (questionnaire, interview, observation, other).

2. Discuss the strengths and weaknesses of the various methodological approaches, focusing on specific behavioral outcome measures. For example if your behavior outcome is increased condom use, how was this dependent variable measured? Were there other behaviors found to significantly relate to this behavior, such as drug use? Secondly, identify at least three determinants (such as belief in susceptibility, attitudes towards the behavior, peer influence, self-esteem, etc.; the number of determinants can be more if you wish) related to this behavior and identify how each independent variable was measured and quantified (i.e., the psychometric properties [reliability and validity of the instrument]. Discuss the strength and weaknesses based on your review of the literature as well as your beliefs and insights.

3. From this review, identify a methodological approach, which you believe would provide a reliable and valid measure of the behavior(s) and three of its determinants.

4. Limit your paper to no more than 20 pages, double-space, not including references, tables and graphs.
REQUIRED BOOK AND READINGS—To be expanded upon receipt of faculty readings

CLASS SCHEDULE

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Lecturer</th>
</tr>
</thead>
<tbody>
<tr>
<td>4/2</td>
<td>Introduction, Goals, Scope of Course, Reading Assignments,</td>
<td>Dr. Donald Morisky</td>
</tr>
<tr>
<td>(Week 1)</td>
<td>Evaluation Criteria, Theoretical Foundations of AIDS Prevention Programs</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Overview of integrating Social and Behavioral Research Methods into</td>
<td></td>
</tr>
<tr>
<td></td>
<td>the Design and Evaluation of HIV/AIDS Prevention Programs</td>
<td></td>
</tr>
<tr>
<td>4/9</td>
<td>How Trauma Increases Risks of and Transmission for HIV and what we do about it</td>
<td>Dr. Gail Wyatt</td>
</tr>
<tr>
<td>(Week 3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4/16</td>
<td>Behavioral Research in Support of STD/HIV Prevention in the Philippines: Dr. Donald Morisky</td>
<td>Conceptualization, Research Methods and Evaluation: An Expanded Community-Based Study Targeting High-Risk Male Populations</td>
</tr>
<tr>
<td>(Week 2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4/23</td>
<td>HIV Transmission and Surveillance Methods –</td>
<td>Dr. Roger Detels</td>
</tr>
<tr>
<td>(Week 4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4/30</td>
<td>AIDS Research among Minority Populations---</td>
<td>Dr. Adeline Nyamathi</td>
</tr>
<tr>
<td>(Week 5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5/7</td>
<td>Critical Discussion of HIV/AIDS Research on the Global Scene</td>
<td>Dr. Donald Morisky</td>
</tr>
<tr>
<td>(Week 6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5/14</td>
<td>HIV among Injection Drug Users</td>
<td>Dr. Steven Shoptaw</td>
</tr>
<tr>
<td>(Week 7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5/21</td>
<td>Female Controlled Methods for STI/HIV Prevention:</td>
<td>Dr. Pamina Gorbach</td>
</tr>
<tr>
<td>(Week 8)</td>
<td>The Role of Microbicides</td>
<td></td>
</tr>
<tr>
<td>5/28</td>
<td>Course Evaluation/Individual Presentations</td>
<td></td>
</tr>
<tr>
<td>(Week 9)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6/4</td>
<td>Individual Presentations-- Methodology Discussions on HIV/AIDS: Theory and Measurement and how to apply to ongoing research initiatives</td>
<td></td>
</tr>
<tr>
<td>(Week 10)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
CLASS SYLLABUS

Week 1 – (April 2, 2013) Introduction, Goals, Scope of Course, Reading Assignments, Evaluation Criteria, Theoretical Foundations of AIDS-Prevention Research

Discussion Topics for First Class---

CDC’s International Activities Support Global HIV Prevention Efforts

CDC’s HIV/AIDS Prevention Activities

Tables–Persons reported to be living with HIV infection and with AIDS by area and age group reported through December 2009

HIV Surveillance Report. Centers for Disease Control and Prevention. US HIV and AIDS cases reported through December 2008 (recent updates available on the web

Updated Basic Statistics from the 2009 HIV Surveillance Report
  * Added on April 1, 2013

Listing of Program Reports and Fact Sheets HIV Epidemiology Program, Los Angeles County Department of Health Services.

Web Presentation/Presentation to PH Commission 2010-28-1 - Frye.ppsx

http://publichealth.lacounty.gov/hiv/WebPresentation/Presentation%20to%20PH%20Commission%202010-28-10%20%20Frye.ppsx

HIV/AIDS Semi-Annual Surveillance Summary January 2010 (cases reported as of December 31, 2009)


Slide sets for the following topics can be downloaded  Please also refer to the notes inserted after each slide.

  * The Epidemiology of HIV and AIDS in LAC (PPT)
  * The Epidemiology of HIV and AIDS in LAC Presentation to HIV Commission 2010 (PPT)
  * The Epidemiology of HIV and AIDS in LAC Presentation to PH Commission 2010 (PPT/PPSX)
  * HIV/AIDS Presentation with a Geographic Information System (GIS)
  * HIV/AIDS in the Latino Population (PDF)
  * Bathhouse Study
  * Young Men Study
  * Behavioral Risk Groups

Los Angeles, CA HIV Prevention Plan 2009-2013

LA County Health Department Announces Increase in AIDS Cases First Increase Since 1992: Improved Reporting or Disease Progression?

The Epidemiology of HIV and AIDS in LAC - Department of Public ...

publichealth.lacounty.gov/hiv/.../...
File Format: Microsoft Powerpoint - Quick View


More results for douglas m frye md mph the epidemiology of hiv and aids in lac ppt


Week 2: Dr. Gail Wyatt

April 9, 2013 WOMEN AND AIDS: How Trauma Increases Risks of and Transmission for HIV and what we do about it.


Articles published in 2010-2013

PSYCHOLOGICAL TRAUMA-THEORY RESEARCH PRACTICE AND POLICY Volume: 5 Issue: 1 Pages: 69-76 DOI: 10.1037/a0022381 Published: JAN 2013


Week 3 – (April 16, 2013) Behavioral Research in Support of STI/HIV Prevention in the Philippines- Dr. Donald Morisky


(other optional readings)


Week 4-- April 23 HIV Transmission and Surveillance Methods – Dr. Roger Detels


(optional readings for surveillance)

1. Zunyou Wu, MD, PhD, Roger Detels, MD, MS, Jiapeng Zhang, MD, Virginia Li, PhD, and Jianhua Li, MD
Community-Based Trial to Prevent Drug Use Among Youths in Yunnan, China. AJPH 2002; 92(12): 1952–1957


Recent Scientific Contributions to Understanding HIV/AIDS from the Multicenter AIDS Cohort Study (MACS)


Recent Publications (2012-2013)

1. Title: Serum Levels of the Chemokine CXCL13, Genetic Variation in CXCL13 and Its Receptor CXCR5, and HIV-Associated Non-Hodgkin B-Cell Lymphoma Risk. Author(s): Hussain, Shehnaz K.; Zhu, Weiming; Chang, Shen-Chih; et al. Source: CANCER EPIDEMIOLOGY BIOMARKERS & PREVENTION Volume: 22 Issue: 2 Pages: 295-307 DOI: 10.1158/1055-9965.EPI-12-1122 Published: FEB 2013

2. Title: Labor Force Participation and Health-Related Quality of Life in HIV-Positive Men Who Have Sex with Men: The Multicenter AIDS Cohort Study. Author(s): Rueda, Sergio; Raboud, Janet; Plankey, Michael; et al. Source: AIDS AND BEHAVIOR Volume: 16 Issue: 8 Pages: 2350-2360 DOI: 10.1007/s10461-012-0257-3 Published: NOV 2012


4. Title: Highly-exposed HIV seronegative persons (HESN) had higher levels of inflammatory and immune activation-associated serum biomarkers than lower risk HIV seroconverters (LRSC). Author(s): Martinez-Maza, O.; Detels, R.; Magpantay, L; et al. Source: JOURNAL OF THE INTERNATIONAL AIDS SOCIETY Volume: 15 Supplement: 3 Pages: 26-26 Published: OCT 2012


7. Title: Early HLA-B(Star)57-Restricted CD8(+) T Lymphocyte Responses Predict HIV-1 Disease Progression. Author(s): Brennan, Catherine A.; Ibarrondo, F. Javier; Sugar, Catherine A.; et al. Source: JOURNAL OF VIROLOGY Volume: 86 Issue: 19 Pages: 10505-10516 DOI: 10.1128/JVI.00102-12 Published: OCT 2012


10. Title: Tracing sexual contacts of HIV-infected individuals in a rural prefecture, Eastern China. Author(s): Lin, Haijiang; He, Na; Ding, Yingying; et al. Source: BMC PUBLIC HEALTH Volume: 12 Article Number: 533 DOI: 10.1186/1471-2458-12-533 Published: JUL 20 2012
1. Impact of a Rural Village Women (ASAH) Intervention on Adherence to Antiretroviral Therapy in Southern India.
2. Impact of Protein Supplementation and Care and Support on Body Composition and CD4 Count among HIV-Infected Women Living in Rural India: Results from a Randomized Pilot Clinical Trial.
3. Challenges Experienced by Rural Women in India Living With AIDS and Implications for the Delivery of HIV/AIDS Care

List of abstracts 2010-2013.

1. Nyamathi, Adeline; Ekstrand, Maria; Zolt-Gilburne, Jessica; et al. Correlates of Stigma among Rural Indian Women Living with HIV/AIDS. AIDS AND BEHAVIOR Volume: 17 Issue: 1 Pages: 329-339 DOI: 10.1007/s10461-011-0041-9 Published: JAN 2013

2. Nyamathi, Adeline; Salem, Benissa; Reback, Cathy J.; et al. Correlates of Hepatitis B Virus and HIV Knowledge Among Gay and Bisexual Homeless Young Adults in Hollywood. AMERICAN JOURNAL OF MENS HEALTH Volume: 7 Issue: 1 Pages: 18-26 DOI: 10.1177/1557988312456068 Published: JAN 2013


6. Jackson, Debra; Hayter, Mark; Carter, Bernie; et al. Revisiting the concept of vulnerability: Recognising strength and resilience in the context of risk and susceptibility, CONTEMPORARY NURSE Volume: 42 Issue: 2 Special Issue: SI Pages: 142-144 Published: OCT 2012

7. Hayter, Mark; Jackson, Debra; Carter, Bernie; et al. The three developmental phases of addressing sexuality in nursing care: Where do we go from here?: urce: CONTEMPORARY NURSE Volume: 42 Issue: 2 Special Issue: SI Pages: 187-189 Published: OCT 2012

8. Nyamathi, Adeline; Jackson, Debra; Carter, Bernie; et al. Creating culturally relevant and sustainable research strategies to meet the needs of vulnerable populations CONTEMPORARY NURSE Volume: 42 Issue: 2 Special Issue: SI Pages: 243-246 Published: OCT 2012

9. Carter, Bernie; Jackson, Debra; Hayter, Mark; et al. Children out of place: Vulnerability and risk in the countryside? CONTEMPORARY NURSE Volume: 42 Issue: 2 Special Issue: SI Pages: 298-300 Published: OCT 2012

Dodd PJ, Garnett GP, Hallett TB. Examining the promise of HIV elimination by test and treat in hyperendemic settings. AIDS 2010; 24:729734


**Additional Readings to be uploaded onto the class web site**

**Week 7-- May 14 HIV among Injection Drug Users**


2. Degenhardt et al., Lancet 2010; Prevention of HIV infection for people who inject drugs: why individual, structural, and combination approaches are needed
3. Strathdee et al., Lancet 2010; HIV and risk environment for injecting drug users: the past, present, and future
4. **UN IDU Technical Guide:** FOR COUNTRIES TO SET TARGETS FOR UNIVERSAL ACCESS TO HIV PREVENTION, TREATMENT AND CARE FOR INJECTING DRUG USERS 2012

**List of abstracts 2012-2013.**


2. Title: Adversity and Syndemic Production Among Men Participating in the Multicenter AIDS Cohort Study: A Life-Course Approach. Author(s): Herrick, Amy L.; Lim, Sin How; Planky, Michael W.; et al. Source: AMERICAN JOURNAL OF PUBLIC HEALTH Volume: 103 Issue: 1 Pages: 79-85 DOI: 10.2105/AJPH.2012 Published: JAN 2013

3. Title: Correlates of Hepatitis B Virus and HIV Knowledge Among Gay and Bisexual Homeless Young Adults in Hollywood. Author(s): Nyamathi, Adeline; Salem, Benissa; Reback, Cathy J.; et al. Source: AMERICAN JOURNAL OF MENS HEALTH Volume: 7 Issue: 1 Pages: 18-26 DOI: 10.1177/1557988312456068 Published: JAN 2013

4. Title: Integration of Behavioral Medicine in Primary Care. Author(s): Bholat, Michelle Anne; Ray, Lara; Brensilver, Matthew; et al. Source: PRIMARY CARE Volume: 39 Issue: 4 Pages: 605-+ DOI: 10.1016/j.pop.2012.08.003 Published: DEC 2012

5. Title: Optimizing Pain Management Through Collaborations with Behavioral and Addiction Medicine in Primary Care. Author(s): Brensilver, Matthew; Tariq, Shabana; Shoptaw, Steven. Source: PRIMARY CARE Volume: 39 Issue: 4 Pages: 661-+ DOI: 10.1016/j.pop.2012.08.007 Published: DEC 2012

6. Title: Where are the Young Men in HIV Prevention Efforts? Comments on HIV Prevention Programs and Research from Young Men Who Sex with Men in Los Angeles County. Author(s): Holloway, Ian W.; Cederbaum, Julie A.; Ajayi, Antonette; et al. Source: JOURNAL OF PRIMARY PREVENTION Volume: 33 Issue: 5-6 Pages: 271-278 DOI: 10.1007/s10935-012-0282-z Published: DEC 2012

8. Title: Placebo-Group Responders in Methamphetamine Pharmacotherapy Trials: The Role of Immediate Establishment of Abstinence. Author(s): Brensilver, Matthew; Heinzerling, Keith G.; Swanson, Aimee-Noelle; et al. Source: EXPERIMENTAL AND CLINICAL PSYCHOPHARMACOLOGY Volume: 20 Issue: 5 Pages: 430-435 DOI: 10.1037/a0029210 Published: OCT 2012


Week 8—May 21, 2013 --Female Controlled STI/HIV Prevention Methods: The Role of Microbicides -- Dr. Pamina Gorbach


Obierol J, Nwerthal PG, Hussey GD, Wiysonge CS. Vaginal microbicides for reducing the risk of sexual acquisition of HIV infection in women: systematic review and meta-analysis BMC Infectious Diseases 2012, 12:289
http://www.biomedcentral.com/1471-2334/12/289

Human Nature Sinks HIV Prevention Trial by Jon Cohen on 7 March 2013, 6:00 PM | 12 Comments

List of abstracts 2011-2013.

1. Title: Effect of Computer-Assisted Interviewing on Self-Reported Sexual Behavior Data in a Microbicide Clinical Trial. Author(s): Gorbach, Pamina M.; Mensch, Barbara S.; Husnik, Marla; et al. Source: AIDS AND BEHAVIOR Volume: 17 Issue: 2 Pages: 790-800 DOI: 10.1007/s10461-012-0302-2 Published: FEB 2013

2. Title: Prevalence and Correlates of Rectal Chlamydia and Gonorrhea Among Female Clients at Sexually Transmitted Disease Clinics. Author(s): Javanbakht, Marjan; Gorbach, Pamina; Stirland, Ali; et al. Source: SEXUALLY TRANSMITTED DISEASES Volume: 39 Issue: 12 Pages: 917-922 DOI: 10.1097/OLQ.0b013e31826ae9a2 Published: DEC 2012


5. Title: Intimate Partner Violence and Sexually Transmitted Infections Among Young Adult Women. Author(s): Hess, Kristen L.; Javanbakht, Marjan; Brown, Joelle M.; et al. Source: SEXUALLY TRANSMITTED DISEASES Volume: 39 Issue: 5 Pages: 366-371 DOI: 10.1097/OLQ.0b013e3182478fa5 Published: MAY 2012


8. Title: Risk behaviours by type of concurrency among young people in three STI clinics in the United States. Author(s): Hess,
Week 9 – May 24, 2011 -- Class Evaluation/Group Presentations

Presentation 1

Presentation 2

Presentation 3

Presentation 4

Presentation 5

Presentation 6

Presentation 7

Week 10 -- (May 31, 2011 --Student Presentations; Final Discussion of Methodological on HIV/AIDS: Theory and Measurement

Presentation 8

Presentation 9

Presentation 10

Presentation 11

Presentation 12

Presentation 13

Presentation 14