

MED 245/STPA 181
ESSENTIALS OF GLOBAL HEALTH
WINTER 2010

1. Structure of the Course

Weekly seminars Thursdays, 4-7 PM,
**Room 1160 of the Skaggs School of Pharmacy, Pharmaceutical
Sciences Building.**

4-5 PM Faculty Presentation for 45 minutes, Student/Faculty
Discussion for 10 minutes, Break for 5 minutes
5-6 PM Faculty Presentation for 45 minutes, Student/Faculty
Discussion for 10 minutes, Break for 5 minutes
6-7 PM Student-led seminars - 2-3 Presentations/Case
Studies/Discussions for 15-20 minutes each by
student teams concerning current events in global
health; discussion.

2. Faculty Responsibilities:

Prepare presentations, handouts, provide advice on additional
readings, electives and career opportunities, and evaluate
students.

Harold J. Simon, M.D., Ph.D. *Kimberly C. Brouwer, Ph.D.*
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(858) 534-3479 (858) 822-6467

IOA, Room 220
Office Hours: TBA

Institute of the Americas, Room 225
Office Hours: By appointment

3. Student Responsibilities:

Required/Purchase text: UNDERSTANDING GLOBAL HEALTH. Markle,
Fisher, and Smego. McGraw-Hill Professional. 2007, 384 Pp.

Recommended: **INTERNATIONAL PUBLIC HEALTH: Diseases, Programs,
Systems, and Policies.** Merson, Black, and Mills.
Aspen, Gaithersburg, Maryland. 2nd ed. 2005, 770 Pp.

**Additional required readings are in bold-face in the syllabus and
marked with an asterisk.**

Read assigned sections in the text in advance of the class.
(Consult Reference List). Additional references and materials are
found in the Syllabus

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- Attend classes, participate in discussions, and carry out the student presentation assignments. Two sets of topics will be decided upon at the second session; the remainder will have been chosen by the third session. Each team will prepare a few key questions on their topic for discussion by the class.
- Each week, two students will be selected to prepare a brief introduction and a couple of questions/discussion points for the following week's speakers.
- Complete the online faculty evaluation form after each session.
- HAND IN YOUR EXAMS AT THE CONCLUSION OF THE **MARCH 11** SESSION.

COURSE SYLLABUS ONLINE:

<http://gph.ucsd.edu/courses/courses.shtml#245>

Additional course materials will be made available on the e-reserves.

PLEASE NOTE: STUDENTS MUST COMPLETE COURSE AND FACULTY EVALUATIONS OF THIS COURSE IN ORDER TO RECEIVE CREDIT AND A GRADE. THE IDENTITY OF INDIVIDUAL STUDENTS WILL NOT BE SHARED WITH COURSE INSTRUCTORS.

GRADING POLICY: Will be discussed when enrollment is established and is based on a final exam, presentations, and participation.

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SCHEDULE OF CLASSES 2010

- January 7 Registration - Simon
 Course Aims and Objectives - Simon
- Major Health Problems and Determinants in the
 Developing World: An Overview - Simon
- Global Health Indicators - Brouwer
- VIDEO and discussion
- January 14 Newly Emerging and Re-Emerging Infectious Disease
 Threats and Bioterrorism - Leake
- Maternal and Child Health - Weeks
 Population; Family Planning - Weeks
 Demographic/Epidemiologic Transition - Weeks
- Student Introductions & Presentation Sign-Up
- January 21 Health for All - Critical Analysis - Simon
- Infectious Disease Issues at Disaster Sites- Jacoby
- Student-led Seminar
- January 28 Simple Solutions to Complex Waterborne Infections -
 Brouwer
- Immunizations - Waterman
- Student-led Seminar
- February 4 Breast Feeding and Related Issues - Vaucher
- Injection Drug Use in Developing and Transitional
 Countries - Pollini
- Student-led Seminar

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- February 11 Malnutrition - Rock
Travel Medicine & Global Health Care - Weston
Student-led Seminar
- February 18 Malaria - Brodine
Overview of Polio Eradication Efforts Worldwide - Migala
Student-led Seminar
- February 25 Global Impacts of HIV/AIDS - McCutchan
Training Programs with a Multiplier Effect - Brownlee
Student-led Seminar
- March 4 Health Topics in the US-Mexican Border Region - Zuñiga
Rural Village Health in a Developing Country - Ronaghy
Student-led Seminar
FINAL EXAM HANDED OUT
- March 11 Global Health and Economics - Graff Zivin
Career Path to Global Health Studies - Vinetz
Course Summary/Look to the Future - Faculty/Students
SPECIAL EVENT

Final Exam handed in at Class or to Dr. Brouwer's Office in
the Institute of the Americas
COURSE FACULTY

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Ann Brownlee, Ph.D.

Clinical Professor, Family and Preventive Medicine, UCSD School of Medicine; Staff Consultant, WELLSTART, San Diego

Stephanie Brodine, M.D.

Professor and Division Head, Epidemiology and Biostatistics, Graduate School of Public Health, San Diego State University

Kimberly Brouwer, Ph.D.

Associate Professor, Division of Global Public Health, Department of Medicine, UCSD School of Medicine

Joshua Graff Zivin, Ph.D.

Associate Professor, International Relations and Pacific Studies, UCSD

Irving "Jake" Jacoby, M.D.

Clinical Professor of Medicine and Surgery, UCSD School of Medicine; Attending Physician, Emergency Medicine, UCSD Medical Center.

John A.D. Leake, M.D., MPH

Division of Infectious Diseases, Children's Hospital, and Dept. of Pediatrics, UCSD School of Medicine

Allen McCutchan, M.D.

Professor of Medicine, UCSD School of Medicine Director, California Collaborative (HIV) Treatment Group

Henri Migala, MA, MPH

Executive Dean for Institutional Advancement
Cuyamaca College, El Cajon, CA

Robin Pollini, Ph.D.

Assistant Professor, Division of Global Public Health, Department of Medicine, UCSD School of Medicine

Hossain Ronaghy M.D., MPH

Clinical Professor, Dept. of Medicine, UCSD School of Medicine;
Formerly Dean, Fassa School of Medicine, Iran

Cheryl Rock, Ph.D.

Professor, Family and Preventive Medicine, UCSD School of Medicine

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Harold J. Simon, M.D., Ph.D.

Professor of International Health Policy; Division of Global Public Health; Director of International Health Programs, UCSD School of Medicine

Yvonne Vaucher, M.D., MPH

Attending Neonatologist, Division of Neonatal/Perinatal Medicine and Clinical Professor of Pediatrics, UCSD School of Medicine

Joseph Vinetz, M.D.

Professor of Medicine and Director, FIC/NIH Global Infectious Disease Training Program, UCSD School of Medicine

Stephen Waterman, M.D., M.P.H.

Senior Medical Epidemiologist, Centers for Disease Control and Prevention, Atlanta, GA, and California Office of Border Health, San Diego County Department of Public Health

John R. Weeks, Ph.D.

Professor of Geography; Director, International Population Center, San Diego State University; Clinical Professor, Family and Preventive Medicine, UCSD School of Medicine

Robert L. Weston, M.D.

President, International Health Care Division, Travel Care, Inc.

Maria Luisa Zuñiga, Ph.D.

Associate Professor, Division of Global Public Health, Department of Medicine, UCSD School of Medicine

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SAMPLE TOPICS FOR STUDENT-LED SEMINARS

Promising Developments - such as polio eradication; the Onchocerciasis Control Project in West Africa; the Dracunculiasis Control Program; new pharmaceuticals (drugs, vaccines) for Third World problems such as AIDS, schistosomiasis, malaria, etc.

Global Health Ethics - conducting work in other countries leads to a number of ethical dilemmas, including provision of services after a study ends. What are some of the ethical dilemmas and their possible solutions to stick to motto to "do no harm"?

AIDS in the Developing World - Sub-topics could include history, epidemiology and prevention. Within epidemiology, transmission, geographic distribution, incidence, prevalence, and demographics are to be covered (the traditional what, where, who, when, how, and why are to be covered as well as what can be done about the current situation).

Refugee Medicine and Health - Sub-topics could include Congo, Rwanda, Angola, and other African locales; Southeast Asia; the former Yugoslavia; the former Soviet Union; Iraq; also a discussion of the agencies involved in refugee problems such as the United Nations and private organizations.

The Third-World in San Diego County - Sub-topics could include maternal and child health issues; emerging diseases such as malaria and drug-resistant tuberculosis; migrant health; childhood infections and immunizations; foods contaminations, environmental pollution.

Environmental Degradation in the Third World - Sub-topics could include pesticide and chemical pollution of air, soil, and water; deforestation; desertification; man-made maladies (e.g., consequences of dam building; global warming).

The Population Explosion - Sub-topics could include population growth and its distribution; infra-structure needs; economic consequences; and control measures (not to be limited or focus on birth control or family planning measures).

Natural Disasters and their Management in the Third World - Preparedness for and responses to earthquakes, floods, volcanic eruptions, El Niño, tsunamis, etc., with specific examples.

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SAMPLE TOPICS (Cont'd)

Diseases of Travelers - nature, epidemiology, treatment and prevention.

Newly Emerging (and Re-emerging) Infections - Ebola, Marburg, HTLV, drug-resistant tuberculosis, influenza, malaria, West Nile, etc.

STUDENTS ARE ENCOURAGED TO SELECT THEIR OWN TOPICS, SEEK ONE OR TWO PARTNERS AS COLLABORATORS AND OBTAIN ADVANCE APPROVAL FOR THEIR CHOSEN TOPICS FROM DR. SIMON. POWER POINT PRESENTATIONS ARE PREFERRED - AS ARE HANDOUTS.

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READING LIST

* Denotes Required Reading

ORIENTATION AND OVERVIEW - Simon

TEXT: * Preface & Chapters 1, 2, 3 (Understanding Global Health)
Foreword & Introduction; Chapters 13, 14(Intl. Public Health)

Gostin LO: "Meeting the Survival Needs of the World's Least Healthy People: A Proposed Model for Global Health Governance."
JAMA 298:225-228, 2007.

Garrett L: "The Challenge of Global Health." Foreign Affairs
Jan/Feb 2006.

Flanigan A, Winker MA: "Global Health - Targeting Problems and Achieving Solutions." JAMA 290:1382-1384, 2003

Simon HJ: "Why International Experiences for Medical Students?"

Hotez, PJ et al: Current Concepts: Control of Neglected Tropical Diseases. NEJM 357:1018-1027, 2007

Crump JA, Sugarman J: "Ethical Considerations for Short-Term Experiences by Trainees in Global Health." JAMA 300:1456-1458, 2008.

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GLOBAL HEALTH INDICATORS - Brouwer

TEXT: * Chapters 1, 2, 3 (Understanding Global Health)

WHO statistical Information System (WHOSIS)
<http://www.who.int/whosis/en/>

Larson C, Mercer A. Global health indicators: an overview. CMAJ. 2004. 171(10):Appendix 1 Glossary of frequently reported global health indicators: <http://www.cmaj.ca/cgi/data/171/10/1199/DC1/1>

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**NEWLY EMERGING AND RE-EMERGING INFECTIOUS DISEASE THREATS;
BIOTERRORISM - Leake**

Text: * Chapters 9, 12 (Understanding Global Health)

Gayer, M., et al.: "Conflict and Emerging Infectious Diseases." Emerging Infectious Diseases. 3(11):1625-1631, 2007. Available at <http://www.cdc.gov/eid/content/13/11/1625.htm>

Morens, D.M., et al.: "The Challenge of emerging and re-emerging infectious diseases." Nature. Vol.430:242-249, July 2004.

Weinstein RA: "Planning for Epidemics - The Lessons of SARS." New Engl J Med 350:2332- 2334, 2004

Microbial Threats to Health: "Emergence, Detection, and Response." Institute of Medicine, National Academy of Sciences March 2003

Emanuel EJ: "The Lessons of SARS." Ann Int Med 139:589-591, 2003

Editorial: "Listening to SARS: Lessons for Infection Control." Ann Int Med 39:592-593, 2003

Inglesby et al.: "Anthrax as a Biological Weapon." JAMA 287:2236, 2002

Fidler, D: "Facing the Global Challenges Posed by Biological Weapons." Microbes and Infection 1:1059, 1999.

Henderson, D.A., et al.: "Smallpox as a Biological Weapon." JAMA 281:2127, 1999.

Henderson DA: "The Looming Threat of Bioterrorism." Science 283:1279-1282, 1999.

CDC's Emerging Infectious Diseases Journal Homepage
<http://www.cdc.gov/ncidod/eid/>

NIAID Emerging and Re-emerging Infectious Diseases
Homepage <http://www3.niaid.nih.gov/research/topics/emerging/default.htm>

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MAJOR HEALTH PROBLEMS IN THE DEVELOPING WORLD - MATERNAL AND CHILD HEALTH - Weeks

Text: Chapter 3 (Intl. Public Health)

Weeks JR, Rumbaut RG, Ojeda N: "Reproductive Outcomes Among Mexican-Born Women in San Diego and Tijuana: Testing the Migration Selectivity Hypothesis." J Immigrant Hlth 1:77-90, 1999.

World Federation of Public Health Associations Improving Maternal Health in Developing Countries UNICEF, 1984.

World Health Organization: <http://www.who.int/en/>

MAJOR HEALTH POLICY DECISIONS FOR DEVELOPING COUNTRIES: DEMOGRAPHIC/EPIDEMIOLOGIC TRANSITION - Weeks

Text: Chapter 1 (Intl. Public Health)

"Demographic Transition" Handout.

Bicknell WJ, Parks CL: "As Children Survive: Dilemmas of Aging in the Developing World." Soc Sci Med 28:59-67, 1989.

Weeks JR: "Population: An Introduction to Concepts and Issues." Wadsworth, Thomson Learning. 8th Ed. 676 pp. 2002. See Chapters 5 and 6.

See also Taylor D: "Medicine, Health and the Poor World" (In Section on Technology Transfer - Pharmaceuticals).

Demographic and Health Surveys: <http://www.measuredhs.com/>

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MAJOR HEALTH PROBLEMS IN THE DEVELOPING WORLD - POPULATION AND FAMILY PLANNING - Weeks

Text: Chapters 2, 3 (Intl. Public Health)

Bongaarts J: "Demographic Consequences of Declining Fertility." Science 282:419-420, 1998

Weeks JR: "Fertility Concepts and Measurements." In: Population: Introduction to Concepts and Issues. 6th ed. 682 pp. *Chapter 4, Pp 93-126. Wadsworth Int'l Press 1996.

Ross JA, Frankenberg E: "Program Approaches" Pp 22-47; and "Relationship Between Health and Contraception" Pp 75-96. In: Findings From Two Decades of Family Planning Research. The Population Council, New York, 1993. 100 pp.

Martin, TC: "Women's Education and Fertility: Results from 26 Demographic and Health Surveys." Studies in Family Planning. 26:187-202, 1995

Terbogh A, Rosen JE, Galvez RS, Terceros W, Bertrand JT, Bull SE: "Family Planning Among Indigenous Populations in Latin America." Int Fam Plan Persp 21:143-166, 1995

Courbage Y: "Fertility Transition in Syria: From Implicit Population Policy to Explicit Economic Crisis." Int Family Plan Perspectives 20:142-146, 1994.

International Planned Parenthood Federation: <http://www.ippf.org/>

United Nations Population Division:
<http://www.u.org/esa/population/unpop.htm>

US Census Bureau: www.census.gov

National Center for Health Statistics: www.cdc.gov/nchs

Weeks JR, Chapter 6 - The Fertility Transition. In Population: Introduction to Concepts & Issues, 10th Edition. Belmont, CA: Wadsworth, 2008.

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"HEALTH FOR ALL BY THE YEAR 2000" - A CRITICAL ANALYSIS (See also
References in Section on AIDS) - Simon

TEXT: * Chapters 7, 11 (Understanding Global Health)
Selections in Chapters 11, 12, 13, 14, 15 (Intl. Public
Health)

International Conference on Primary Care. Alma Ata, USSR
6-12 September 1978. Primary Health Care Geneva WHO 1978.

* Barry M, Hughes, JM: **Global Health: Talking Dirty - The Politics of
Clean Water and Sanitation.** NEJM 359:784-787, 2008. (Important)

Blumenthal D, Hsiao W: "Privatization and Its Discontent - The
Evolving Chinese Health Care System." NEJM 353:1165-1170, 2005

He J et al: "Major Causes of Death among Men and Women in China."
NEJM 353:1124-1134, 2005

Dracunculiasis: www.who.int/health-topics/dracunculiasis,htm
(detailed pictures and descriptions of epidemiology, clinical
disease, treatment and eradication efforts).

Hopkins DR et al.: "Dracunculiasis eradication: delayed, not denied."
Am J trop Med Hyg 62:163-168, 2000.

Barry M: "The Tail End of Guinea Worm - Global Eradication without a
Drug or a Vaccine." NEJM 356:2561-2564, 2007

Ram PK et al: "Bringing Safe Water to Remote Populations: An
Evaluation of a Portable Point-of-Use Intervention in Rural
Madagascar." Am J Publ Hlth: 97:398-400, 2007

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INFECTIOUS DISEASE ISSUES AT DISASTER SITES - Jacoby

Guilleman J. Anthrax: The Investigation of a Deadly Outbreak. Los Angeles: University of CA Press, 1999.

Thompson MW. The Killer Strain: Anthrax and a Government Exposed. New York: Harper Collins, 2003.

Schneider E et al. A Coccidioidomycosis outbreak following the Northridge Earthquake. JAMA 1997; 277:904-908.

Howard MJ et al. Infectious disease emergencies in disasters. Emerg Med Clinics NA 14:413-428, 1995.

Morgan O. Infectious disease risks from dead bodies following natural disasters. Rev Panam Salud 2004; 15 (5):307-312.

Emergency Measles Control Activities, Darfur, Sudan. MMWR. 2004;53:897-899

Kao AY et al. Case 19-2005: A 17 yo girl with respiratory distress and hemiparesis after surviving a tsunami. NEJM 352:2628-36, 2005

VanRooyen M and Leaning J. After the tsunami—facing the public health challenges. NEJM 352 (5):435-8, 2005

Saenz R, Bissell RA, Paniagua F. Post-disaster malaria in Costa Rica. Prehospital Disaster Med. 1995;10:154-60.

Gagnon AS, Smoyer-Tomic KE, Bush AB. The El Niño southern oscillation and malaria epidemics in South America. Int'l J Biometeorol 2002;46:81-89.

Floret N, Viel, J-F, Mauny F, Hoen B, Piarroux. Negligible risk for epidemics after geophysical disasters. Emerg Infect Dis 2006; 12 (4):543-548.

SIMPLE SOLUTIONS TO COMPLEX WATERBORNE INFECTIONS - Brouwer

TEXT: * Chapter 5 (Understanding Global Health)
CHAPTERS 4, 9, 15 (Intl. Public Health)

* Hotez, PJ et al: "Control of Neglected Tropical Diseases."
N Engl J Med: 357(10):1018-27, (Sep) 2007. Available at:
<http://content.nejm.org/cgi/reprint/357/10/1018.pdf>

Berman, J. (2005) WHO: Waterborne Diseases is World's Leading Killer. VOA news available at:
<http://www.voanews.com/english/archive/2005-03/2005-03-17-voa34.cfm?CFID=146104085&CFTOKEN=56433686>

World Health Organization water and sanitation related diseases fact sheets
http://www.who.int/water_sanitation_health/diseases/diseasefact/en/index.html

King CH: "Toward the Elimination of Schistosomiasis."
NEJM:360 (2):106-109, 2009

Barry M: "The Tail End of Guinea Worm - Global Eradication without a Drug or Vaccine." NEJM 356;25:2561-2564, 2007

Editorial: "Health Workers Say Close to Eliminating Guinea Worm."
Clin Inf Dis: 48:iii (1 Feb 2009).

Hirschhorn N, Greenough, WB: Progress in Oral Rehydration Therapy (ORT). Scientific American 264:(5):50-56,1991

"VIP Latrines in Zimbabwe: from local innovation to global sanitation solution." Water and Sanitation Program. Available at
http://www.sulabhervis.in/admin/upload/pdf_upload/af_bg_zim.pdf

APPROPRIATE TECHNOLOGY TRANSFER: IMMUNIZATIONS - Waterman

Text: Chapters 4, 13 (Intl. Public Health)

"Recommended Adult Immunization Schedule - United States, 2002-2003."

MMWR October 11, 2002

EPI Immunization Policy (including background on the EPI and the diseases covered):

<http://www.who.int/immunization/policy/en/index.html>

WHO Vaccines and Immunizations (WHO vaccine-preventable disease initiatives, lists of vaccines currently available, etc.)

www.who.int/vaccines

"Recommended Adult Immunization Schedule - United States, 2002-2003"

MMWR - CDC 51:No. 40, 904, 10/11/02

Health Information for International Travel 1999-2000. CDC, Dept. of Health and Human Services, Atlanta GA - Specific Recommendations for Immunizations (Japanese B encephalitis, Hepatitis A, meningococcal disease, rabies, typhoid, yellow fever).

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MAJOR HEALTH PROBLEMS IN THE DEVELOPING WORLD - BREAST FEEDING AND RELATED ISSUES - Vaucher

Text: Chapter 5 (Intl. Public Health)

Estrada B: "Human Milk and the Prevention of Infection." Inf in Med 203:270, (June) 2003

Weimer JP: "The Economic Benefits of Breast Feeding: A Review and Analysis." Report 13, Economic Research Service, USDA. 2001.

Kramer M et al: "Promotion of Breastfeeding Intervention Trial (PROBIT)." JAMA 285:413-420, 2001

Fowler MG et al: "When is Breastfeeding Not Best?" JAMA 282:781-783, 1999.

John-Stewart GC: "Breast Feeding and HIV-1 Transmission - How Risky for How Long?" J Inf Dis 196:1-3, 2007

(See also Section on AIDS: DeCock et al: "Prevention of Mother-to-Child HIV Transmission in Resource-Poor Countries.")

Newman J: "How Breast Milk Protects Newborns." Scientific American 273:76-79, (December) 1995.

Hanson LA, et al: "Breast-Feeding is a Natural Contraceptive and Prevents Disease and Death in Infants, Linking Infant Mortality and Birth Rates." Acta Paediatrica 83:3-6, 1994.

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INJECTION DRUG USE IN DEVELOPING AND TRANSITIONAL COUNTRIES -
Pollini

- * 1) Ball A. L., Rana S., Dehne K. L. (1998) HIV Prevention among Injecting Drug Users: Responses in Developing and Transitional Countries. Public Health Reports. 113 (Supp 1):170-181. Available at <http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=1307739>
- 2) Aceijas C, Stimson GV, Hickman M & Rhodes T. Global overview of injecting drug use and HIV infection among injection drug users. AIDS 2004;18:2295-2303.
- 3) Atlani L, Carael M, Brunet JB, Frasca T & Chaika N. Social change and HIV in the former USSR: the making of a new epidemic. Social Science & Medicine 2000; 50:1547-1556.
- 4) Magis Rodriguez C, Marques LF & Touze G. HIV and injection drug use in Latin America. AIDS 2002; 16(suppl 3): S24-S41.
- 5) Qian Han-Zhu, Schumacher JE, Chen HT & Ruan YH. Injection drug use and HIV/AIDS in China: Review of current situation, prevention and policy implications. Harm Reduction Journal 2006; 3:4. Available at: <http://www.pubmedcentral.nih.gov/picrender.fcgi?artid=1402269&blobtype=pdf>
- 6) Malinowska-Sempruch K & Bartlett N. "Who Needs Protecting?" Rethinking HIV, Drugs and Security in the China Context. China and Eurasia Forum Quarterly 2006;4:25-30. Available at: http://www.silkroadstudies.org/new/docs/CEF/Quarterly/February_2006/Kasia_Malinowska_Nick_Bartlett.pdf

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MAJOR HEALTH PROBLEMS IN THE DEVELOPING WORLD - ESSENTIALS OF
NUTRITION - Rock

Text: * Chapter 6 (Understanding Global Health)
Chapter 5 (Intl. Public Health)

Popkin BM, Doak CM: "The Obesity Epidemic is a Worldwide Phenomenon." Nutr Rev 56:106-112, 1998.

Ching P et al.: "Childhood Mortality Impact and Costs of Integrating Vitamin A Supplementation Into Immunization Campaigns." Am J Publ Health 90:1526-1529, 2000

dePee et al: "Reappraisal of the Role of Vegetables in the Vitamin A Status of Mothers in Central Java, Indonesia." Am J Clin Nutr 68:1068-1074, 1998

FAO/WHO. "Preventing Specific Micronutrient Deficiencies." International Conference on Nutrition Theme Paper No. 6. (Summary) 1992.

Brown HK, Solomons N: "Nutritional Problems of Developing Countries." Inf Dis Clin North America 5:297-317, 1991.

Yip R: Iron Deficiency: Contemporary Scientific Issues and International Programmatic Approaches. J Nutrition 124:1479S-1490S, 1994.

Khan S et al.: "Growth, Morbidity and Mortality of Children in Dhaka after Treatment for Severe Malnutrition: A Prospective study." Am J Clin Nutr 67:94-945, 1998.

Freire WB: "Strategies of the Pan American Health Organization for the Control of Iron Deficiency in Latin America." Nutr Rev 55:183-188, 1997.

Control of Young Child Morbidity and Mortality in Developing Countries." UN Administrative Committee on Coordination, Subcommittee on Nutrition. ACC/SCN State of the Art Series. Nutrition Policy Discussion Paper No.13, (Summary) December 1993.

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TRAVEL MEDICINE AND GLOBAL HEALTH CARE - Weston

Health Information for International Travel - Centers for Disease
Control and Prevention, USPHS CDC Web Site
<http://www.cdc.gov/travel/default.aspx>

WHO travel website
<http://www.who.int/ith/en/>

US State Dept. Website
<http://www.travel.state.gov/>

Keystone JS, Kozarsky PE, Freedman DO: "Internet and Computer-Based
Resources for Travel Medicine Practitioners." Clin Inf Dis 32:757-
765, 2001

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MALARIA - Brodine

Text: Chapters 4, 8 (Intl. Public Health)

Feachem RGA et al: "Shrinking the Malaria Map: A Guide on Malaria Elimination for Policy Makers." The Global Health Group, UCSF Global Health Sciences. Available on the web at www.malariaeliminationgroup.org'

Lacey SW: "Cholera: Calamitous Past; Ominous Future." Clin Inf Dis Dis 20:1409-1419, 1995.

Alonzo PL, Lindsay SW, Armstrong JRM et al: "The Effect of Insecticide-Treated Bed Nets on Mortality of Gambian Children." Lancet 337:1499-1502, 1991

Website for Malaria: www.who.int/health-topics/malaria.htm (great resource for description of disease, prophylaxis, treatment, epidemiology, etc.)

"A Renewed Assault on an Old and Deadly Foe: Malaria." Policy, African Research, Vaccines, Drugs, Genome Sequencing, Mosquito engineering. Science 290:428-441, 2000.

Warren KS: "Selective Primary Health Care: Strategies for Control of Disease in the Developing World. I: Schistosomiasis." Rev Inf Dis 4: 715-726, 1982.

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OVERVIEW OF POLIO ERADICATION EFFORTS WORLDWIDE - Migala

Text: Pp. 143-145 (Intl. Public Health)

* Pallansch MA, Sandhu HS: "The Eradication of Polio - Progress and Challenges." NEJM 355:2508-2511, 2006. Available at:
<http://content.nejm.org/cgi/content/full/355/24/2508>

Global Polio eradication initiative website:
<http://www.polioeradication.org/>

WHO Polio website: <http://www.who.int/features/2004/polio/en/>

UNICEF Poliosite: http://unicef.org/immunization/index_polio.html

Polio links: <http://www.polioeradication.org/links.asp>

Sitreps:

http://www.polioeradication.org/content/general/current_monthly_sitreps.asp

Doodle WR, Birmingham ME: "The Biologic Principles of Poliovirus Eradication." J Inf Dis 175:(Suppl 1):S286-292

www.who.int/docstore/bulletin/pdf/2000/issue3/bu246.pdf

www.who.int/docstore/bulletin/pdf/2000/issue3/bu0355.pdf

www.polioeradication.org/vaccines/polioeradication/all/global/default.asp(WHO=s Polio Eradication home page - updated weekly)

<http://lastchild.org> (Website about a CARE documentary for easy access and understanding information about polio)

Morbidity and Mortality Weekly Report. Centers for Disease Control and Prevention, Atlanta, GA. Numerous reports.
Recent update: July 10, 2009, 58:719-723

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THE GLOBAL IMPACTS OF HIV/AIDS - McCutchan

Text: * Chapter 8 (Understanding Global Health)
Pp. 169-176 plus references in Index. (Intl. Public Health)

Basic information on the web at:

www.unaids.org/en/HIV_data/epi2006/2006EpiUpdatePressKit_en.asp

Providing HIV Treatment in Developing Countries. Website on Averting HIV and AIDS. <http://www.avert.org/whiv.htm>

Rubin K: "The Butterfly and the Sword: AIDS in China." Health Affairs 21:221-227, 2002.

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APPROPRIATE TECHNOLOGY TRANSFER: TRAINING PROGRAMS WITH A MULTIPLIER EFFECT - Brownlee

TEXT: * Chapter 4 (Understanding Global Health)
Chapter 12 (Intl. Public Health)

"Philippines: A Creative Breastfeeding Program Serves as a "Baby Friendly" Model World Wide." (Country Case Study No. 6.) Wellstart 1998.

"Working Towards a "Baby Friendly" World - Wellstart's Involvement in the Baby Friendly Hospital Initiative." (Programmatic Case Study No.3.) Wellstart 1998.

"Building Comprehensive Breastfeeding Programs at the National Level." (Programmatic Case Study No.2.) Wellstart 1998.

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HEALTH TOPICS IN THE US-MEXICAN BORDER REGION - Zuñiga

* Doyle TJ, Bryan Rt: "Infectious Disease Morbidity in the US Region Bordering Mexico, 1990-1998." J Inf Dis 182:1503-1510, 2000.

Available at:

<http://www.journals.uchicago.edu/JID/journal/issues/v182n5/000583/000583.html>

Zuñiga ML, Brennan J, Scolari R, Strathdee S. (2008). Barriers to HIV Care in the Context of Cross-Border Health Care Utilization among HIV-Positive Persons Living in the California/Baja California US-Mexico Border Region. J Immigrant Minority Health. 10:219-227
Wallace SP, Mendez-Luck C, Castañeda X (2009). Heading South: Why Mexican Immigrants in California Seek Health Services in Mexico. Med Care. (2009 May 8, e-pub)

Zuniga ML, Organista KC, Scolari R, Olshefsky AM, Schulhof R, Colon M: "Exploring Care Access Issues for Mexican-Origin Latinos in the San Diego/Tijuana Border Region."

[Http://jhaso.haworthpress.com](http://jhaso.haworthpress.com) 2006

Wells CD, Ocana M, Moser K, Bergmire-Sweat D, Mohle-Boetani JC, Binkin NJ: "A Study of Tuberculosis Among Foreign-Born Hispanic Persons in the US States Bordering Mexico." Am J Crit Care Med 159:834-837, 1999.

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RURAL VILLAGE HEALTH IN A DEVELOPING COUNTRY - Ronaghy

Ronaghy HA, Najarzadeh E, Schwartz TA, Russell SS, et al: "The Front Line Health Worker: Selection, Training and Performance" Am J Pub Health 66:273-277, 1976.

Refugees and Refugee Health

Loue S: "25 Frequently Asked Questions about Immigration and Health." J Immigrant Health 2:59-66, 2000

Ackerman LK: "Health Problems of Refugees." J Am Board Fam Pract 10: 337-348, 1997

Mouro-Eraso R et al: "Back to the Future: Sweatshop Conditions on the US-Mexican Border." Am J Industr Hyg 31:587-599, 1997

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Eisenstadt T, Thorup CLA: "Caring Capacity vs. Carrying Capacity: Community Response to Mexican Immigration in San Diego's North County." Center for US-Mexican Studies, Chapter on Health Care 1994

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MICRO-FINANCE AND HEALTH - Graff Zivin

Text: * Chapters 14 & 16 (Understanding Global Health)

Required:

- * Pronyk, P. A combined microfinance and training intervention can reduce HIV risk behaviour in young female participants. AIDS 2008, 22:1659-1665. (attached)
- * Sherman, S. The evaluation of the JEWEL project: An innovative economic enhancement and HIV prevention intervention study targeting drug using women involved in prostitution. AIDS Care, January 2006; 18(1): 1-11. (attached)
- * <http://www.socialmedicine.org/2008/09/08/globalization-and-health/unofficial-synopsis-of-the-social-determinants-of-health-report/>

Suggested:

Stratford, D. Addressing Poverty as Risk for Disease: Recommendations from CDC's Consultation on Microenterprise as HIV Prevention. Public Health Reports, January-February 2008, Volume 123, p 9-20. (attached)

<http://www.microenterpriseworks.org/>

http://www.usaid.gov/our_work/economic_growth_and_trade/micro/index.html

<http://www.phmovement.org/cms/>

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Course Summary: Look to the Future - Faculty/Students

*Text: Chapter 17: Understanding Global Health

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ADDENDA
(SEE ALSO TEXT AND PERTINENT WEBSITES)

Text: Chapters 13-16 (Understanding Global Health)

Health Policy and Health Economics in Developing Countries

World Development Report 1993: Investing in Health. World Bank/Oxford University Press 1993.

Murray C, Lopez A, Jamison DT: Global Burden of Disease in 1990: Summary Results, Sensitivity Analysis and Future Directions. Bull WHO 72:495-509, 1994.

Michaud C, Murray CJL: "External Assistance to the Health Sector in Developing Countries: A Detailed Analysis 1972-1990." Bull WHO 72(4):639-651, 1994.

Invited Commentary -- Investing in Health: Recommendations of the 1993 World Development Report. Bridge No.13 Winter/Spring 1993 Pp. 1-3.

Appropriate Technology Transfer - Pharmaceuticals for Developing Countries

Pécoul B et al: Access to Essential Drugs in Poor Countries: A Lost Battle?" JAMA 281:361-367, 1999.

Taylor D: Medicines, Health and the Poor World London: Office of Health Economics, 1982.

WHO The Use of Essential Drugs Geneva: World Health Organization - Technical Report Series, 685, 1983.

Simon HJ: "Pharmaceuticals for Developing Countries: An Interface of Science, Technology and Public Policy." The Pharos of Alpha Omega Alpha 44:9-15, 1981.

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International Cooperation in Health

Text: Chapters 13, 14 (Intl. Public Health)

World Health Organization - Administrative Flow Chart "WHO Constitution" Method of Work of World Health Organization"

International Health Work and Career Opportunities

Simon HJ: "General Principles to Guide Students Seeking International Health Activities."

Selected Sources of Information on Opportunities for International Health Work

"Physician Service Opportunities Abroad" JAMA 276:355-359, 1996.

"International Health Response Guide." JAMA 263:2386-2387, 1990. (and subsequent annual issues).

"Annual Directory of International Opportunities." Am J Trop Med Hyg 54:S1-S33, (April) 1996 (and subsequent annual issues).

Ethical Issues in Market Driven Health Care

Experton B: "Health, Markets, and Intervention." Nature Biotech 17: BV23-24, 1999.

Experton B, Ozminkowski RJ, Pearlman D, Li A, Thompson S: "How does managed Care Manage the Frail Elderly? The Case of Hospital Readmissions in Fee-For-Service vs. HMO Systems." Am J Prev Med 16:163-172, 1999.

American Journal of Public Health Vol 88 May 1998.

Comment: "Whose Globalization?" Navarro Pp. 742-743.

"From Assurance to Insurance in Russian Healthcare: The Problematic Transition." Burger, Geild and Twigg. Pp. 755-758

Ethical Issues (cont'd)

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"Keeping Competition Fair for Health Insurance. How the Irish Beat Back Risk-Rated Policies." *Light*. Pp. 745-748.

"The Globalization of Public Health II: The Convergence of Self-Interest and Altruism." Yach and Bettchner. Pp. 735-737.

Kuttner R: "Must Good HMOs Go Bad? Part I: The Commercialization of Prepaid Group Health Care." *New Engl J Med* 338:1558-1563, 1998.

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Young QD: "Can Managed Care Coexist with Decent Health Care for All? The Nation's Health XXVII." Citizen press, January 1998. Pp. 2-3.

Kassirer, JP: "Managed Care and Morality in the Market Place." *New Engl J Med* 333:50-52, 1995.

Hsiao WCI and Yuanli l: "Economic Reform and Health - Lessons from China." *New Engl J Med* 335:430-432, 1996.

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Herzlinger R: Market Driven Health Care: Who Wins and Who Loses in the Transformation of America's Largest Service Industry." Addison-Wesley, Redwood City, California, 1997.

SAFE MOTHERHOOD

TEXT: Chapter 2

Cook RJ, Dickens BM: Human rights to safe motherhood. *Int J Gynecol Obstet*. 2002; 76:225-231.

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Websites:

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http://www.who.int/reproductive-health/publications/global_action_for_skilled_attendants/index.htm

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Appropriate Technology Transfer: Portable Field Diagnostic Technology

"Applications: Portable Medical Labs and Other Portable Diagnostic Equipment.

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Sanborn WR: "Use in Tropical Areas of a Portable Kit for Rapid Diagnosis of Infectious Diseases." WHO Chronicle 35(2):54-55, 1981.

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