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**PIA 2553 Global Health
Fall 2015**

The Millennium Development Goals prioritize investment in health for human welfare. We examine underlying economic problems and policy proposals to address major diseases such as AIDS, TB, malaria, diarrhea and respiratory illnesses. We study policy incentives, including public-private partnerships, pull mechanisms (e.g., advanced purchase commitments) and push mechanisms (e.g., research grants) to enhance R&D for vaccines, antibiotics and medicines for neglected diseases. We study how TRIP provisions attempt to strike a balance between two competing goals: first, incentivizing R&D by protecting intellectual property, and second, enabling poorer countries to access medicines by allowing compulsory licensing. We discuss how TRIP-plus provisions in US/EU bilateral trade agreements with developing countries impede developing countries' access to drugs. We examine WTO cases in which countries differ on their risk assessments (e.g., the Beef Hormone and GMO cases). We evaluate the adverse health impacts of agriculture policies (e.g., the use of antibiotics in animal husbandry). We discuss how health co-benefits can provide the impetus for countries to transition towards a lower carbon economy (e.g., reduced air pollution from the switch away from cars to public transit and the switch away from coal-fired power-plants). Student presentations examine cases of successful global health interventions (e.g., small pox eradication and arresting AIDS in Thailand) and new challenges (e.g., Ebola, SARS, avian flu, and health-related impacts of climate change).

Student products

Practise Memo completion grade 2%

Midterm Memo 35%

Final Memo 55%

Presentation (group grade) 7%

Reflection on critical thinking 1%

Shanti Gamper-Rabindran

Global Health Policy and Development

Week 1: Overview

Section 1: Introduction

PowerPoint

Introductory Lecture – Main Ideas

Building Expertise in Global Environment & Global Health at GSPIA

Global Health and Development Policy: An overview

Section 2: Health & Development

PowerPoint

Sen: Development as Freedom

Reading

Sen, Amartya. “What Difference Can Ethics Make?” from the Digital library of the Inter-American Initiative on Social Capital, Ethics and Development – www.iadb.org/etica/ingles/index-i.tm

Wallace, Laura. “Freedom as Progress.” Finance & Development. Sept 2004. p. 4-7.

Section 3: Writing a Policy Memo

PowerPoint

Maternal Mortality

Reading

“How To Write a Memo”

Section 4: Basic Economic Concepts

PowerPoint

Monopoly

Externalities

Public Goods and Common Resources

Reading

Cutler, David M. “Repealing Health Care Is a Job Killer.” Center for American Progress. Jan 2011. p. 1-8.

Section 5: Optional Readings

PowerPoint

Why Global Health Matters

Diseases without borders, World Bank Seminar Series: Global Issues Facing Humanity

Section 6: Video

Video

Video.doc

Week 2: HIV / AIDS

Section 1: Development Strategies

PowerPoint

Dealing with Global Health challenges

Section 2: HIV / AIDS

Reading

Chatterjee, Patralekha. "Stretching the AIDS Dollar." The Lancet. Vol.374. 29 Aug 2009. p. 678

Piot, Peter. "AIDS: from crisis management to sustained strategic response." The Lancet. Vol. 368. 5 Aug 2006. p.526-530.

Ainsworth, Martha. "Setting Government Priorities in Preventing HIV / AIDS." Finance & Development. Mar 1998. p. 18-21.

Over, Mead. "Coping with the impact of AIDS. " Finance & Development. Mar 1998.

Squire, Lyn. "Confronting AIDS." Finance & Development. Mar 1998.

PowerPoint

AIDS – Setting Government Priorities: Ainsworth, Part 1

AIDS – Setting Government Priorities: Ainsworth, Part 2

AIDS & Development: The Role of Government

AIDS Graphs

AIDS

Section 3: AIDS and US Politics

PowerPoint

Reading

United States Government Accountability Office. "Spending Requirement Presents Challenges for Allocating Prevention Funding under the President's Emergency Plan for AIDS Relief." Apr 2006.

Health GAP. "GAO Report on PEPFAR Prevention Programs." 5 Apr 2006.

Section 4: Global Health Interventions: Success Case

PowerPoint

Millennium Development Goals: Where Are We?

Acute Flaccid Paralysis Surveillance & Progress Toward Global Polio Eradication

Section 5: Video

Video

Video.doc

Week 3: Malaria

Section 1: Malaria Overview

PowerPoint

Malaria Overview

Section 2: Malaria Funding

PowerPoint

Affordable Medicines Facility for Malaria (AMFm)

Antimalarial Drugs

Section 3: Malaria Funding Implementation

Reading

Frost, Laura & Reich, Michael R. "Translating an Idea into a Policy: 'Saving Lives and

Buying Time' for Antimalarial Medicines. Part A." 2009.

Section 4: Case Notes

Reading

Frost, Laura & Reich, Michael R. "Translating an Idea into a Policy: 'Saving Lives and Buying Time' for Antimalarial Medicines. Part B." 2009.

Frost, Laura & Reich, Michael R. "Translating an Idea into a Policy: 'Saving Lives and Buying Time' for Antimalarial Medicines. Teaching Note." 2009.

Section 5: DDT Controversy

PowerPoint

DDT

Section 6: Video

Video

Malaria_Video.doc

Week 4: Vaccines

Section 1: Incentives for New Vaccines

PowerPoint

New Vaccines

Tiered Prices (or Differentiated Prices or Market Segmentation)

Reading

Kremer, Michael. "Public Policies to Stimulate Development of Vaccines for Neglected Diseases." How Should We Go About Fighting Poverty? p. 319-336.

Section 2: AMC pneumococcus

PowerPoint

The Pneumococcus Advanced Market Commitment

Section 3: Access to Existing Vaccines

PowerPoint

Access to existing vaccines

Section 4: Video

Video

Video.doc

Week 5: Antibiotics

Section 1: Antibiotic Resistance

PowerPoint

Antibiotic resistance

Video

Antibiotic_Resistance_Video.doc

Section 2: Antibiotic Resistance and Agriculture

PowerPoint

Antibiotic Resistance and Agriculture

Section 3: Antibiotic Resistance: Optional Readings

Reading

- Laxminarayan & Malani. "Extending the Cure." Resources for the Future. 2007.
- Okeke et al. "Antimicrobial resistance in developing countries. Part I: Recent trends and current status." The Lancet. Vol. 5. Aug 2005. p. 481-493.
- Okeke et al. "Antimicrobial resistance in developing countries. Part II: Strategies for containment." The Lancet. Vol. 5. Aug 2005. p.568-580.
- Schneider & Garrett. "Non-therapeutic Use of Antibiotics in Animal Agriculture Corresponding Resistance Rates, and What Can be Done About It." Center for Global Development. 2009.

Week 6: Neglected

Section 1: Neglected Diseases

PowerPoint

- Neglected Disease Drug R&D
- Neglected Diseases: Current State of R&D
- Neglected Tropical Diseases

Section 2: Neglected Diseases Economics

PowerPoint

- FDA Priority Review Vouchers
- Public-Private Product Development Partnerships for Global Health R&D

Section 3: Readings

Reading

- Moran et al. "Neglected Disease Research & Development: How Much Are We Really Spending?" PLOS Medicine. Vol. 6: 2. Feb 2009. p.137-146.
- Moran, Mary. "A Breakthrough in R&D for Neglected Diseases: New Ways to Get the Drugs We Need." PLOS Medicine. Vol. 2: 9. Sept 2005. p.828-832.

Section 4: Optional Readings

Reading

- PLOS Medicine Editors "A New Era of Hope for the World's Most Neglected Diseases." PLOS Medicine. Vol. 2: 9. Sept 2005. p. 815.
- Sorenson, Corinna. "Product development partnerships (PDPs) for neglected diseases: considerations on governance." Health Economics, Policy and Law. 2009. p. 1-10.

Section 5: Video

Video

- Video.doc

Week 7: Patents

Section 1: WTO / TRIPS

PowerPoint

- EU & India

Section 2: Indian Generics & EU

PowerPoint

- World Bank Training Program on HIV / AIDS Drugs

Section 3: Patent

PowerPoint

World Bank Training Program on HIV/AIDS Drugs: Financing and Pricing

Reading

Bitter Medicine: Pills, Profit and the Public Health

Ellen F. M. 't Hoen, 2003. TRIPS, Pharmaceutical Patents and Access to Essential Medicines: Seattle, Doha and Beyond

Richard D Smith, Carlos Correa, Cecilia Oh, 2009. Trade, TRIPS, And Pharmaceuticals. The Lancet, 373.

Joseph E Stiglitz, 2009. Trade Agreements And Health In Developing Countries. The Lancet, 373.

Ellen F.M. 't Hoen, 2009. The Global Politics Of Pharmaceutical Monopoly Power. AMB Publishers.

Video

Video_patent-metoodrugs.doc

Optional Readings

Khabir Ahmad, 2005. Brazil Takes A Step Towards Patent Exemption For HIV Drugs. The Lancet, 5.

Cawthorne et al., 2007. Access To Drugs: The Case Of Abbott In Thailand. The Lancet, 7.

Jane Galvão, 2002. Access To Antiretroviral Drugs In Brazil. Public Health, The Lancet.

Week 8: Trade

Section 1: WTO SPS/TBT

PowerPoint

Agreement On The Application Of Sanitary & Phytosanitary Measures (SPS)

Reading

Trish Kelly, 2003. Agreement On The Application Of Sanitary & Phytosanitary Measures (SPS). Blackwell Publishing Ltd.

Section 2: Agriculture Subsidies

PowerPoint

US, EU Agricultural Subsidies

The Impact of the EU sugar regime on Zambia and Mozambique

Optional Readings

PPT by Shanti Gamper-Rabindran: WTO Environmental Health and Safety Standards

TED Case Studies: Pesticide Hazard in Costa Rica, Case Number 197.

PPT by Estiaquzzaman, WTO-Asbestos case between France and Canada.

PPT by Geoff Adams, 1997-2000 Australia - Canada Wto Salmon Dispute.

Section 3: Free Trade

PowerPoint

Fair Trade and Eco-Labeling

Section 4: Hazardous Waste Trade

PowerPoint

Hazardous Waste, 4 cases

Video

Ghana-20 min

Trade & the Environment – 13 min

Week 9: Conflict**Section 1: Health and Conflict****PowerPoint**

Health and Conflict

Communicable Diseases

Optional Reading

Michelle Gayer, Dominique Legros, Pierre Formenty, and Maire A. Connolly, 2007.

Conflict and Emerging Infectious Diseases. *Emerging Infectious Diseases*, 13(11).

Section 2: Afghanistan**PowerPoint**

Health Planning and Implementation in post-conflict Afghanistan

Transforming a Fragile Health System in Post Conflict Afghanistan

Optional Readings

John R. Acerra & Kara Iskyan & Zubair A. Qureshi & Rahul K. Sharma, 2009.

Rebuilding The Health Care System In Afghanistan: An Overview Of Primary Care And Emergency Services. *International Journal of Emerging Medicine* 2, pp.79–82

Office of Inspector General, USAID, 2006. Audit Of Usaid/Afghanistan's Rural Expansion Of Afghanistan's Communitybased Healthcare (Reach) Program

Video

Links to 9 videos on Haiti

Links to 6 videos on Afghanistan

Links to 6 videos on refugees

Section 3: Disasters**PowerPoint**

Nuclear Power Plants in Japan

Section 4: Concepts in Conflict/Post-Conflict Health Delivery**PowerPoint**

Post-Conflict Reconstruction and the Challenges of Human Security in Africa

Corruption during Relief Efforts

Infant and Young Child Feeding in Emergencies

The Impact of U.S. Food Aid on Human Rights in Haiti

Method-Post Conflict Health Services Assessment: Preventing Health Care Gaps in Post-Conflict Situations: Liberia

Rights in Conflict: Access to Healthcare

Repatriation in Conflict/Post-Conflict: Activities for the Reintegration of Returnees,

Refugees and Displaced Persons in the Horn of Africa

Priority in Healthcare – Reproductive Health

Readings

CDC Refugee and Health Toolkit, Reproductive Health in Crises: Projects

Week 10: Climate

Section 1: Climate Change

PowerPoint

Climate Change and Developing Countries

Reading

A Commission on Climate Change. The Lancet. Volume 373, May 16, 2009.

Health And Climate Change: A Roadmap For Applied Research, The Lancet. Volume 373, May 16, 2009.

Brogan & Parnters, 2007. Driven to Extremes: Health Effects of Climate Change. Environmental Health Perspectives, 115(4), pp.196-203

Optional Reading

Anthony Costello, et al. 2009. Managing The Health Effects Of Climate Change. The Lancet. Volume 373.

Video

Links to 3 videos on Climate Change

Section 2: Climate & Health

PowerPoint

Global Warming and Climate Change: Why the Health Sector Should be Engaged
Human Health Sector: Vulnerability and Adaptation Assessments Hands-On
Training Workshop

Section 3: Climate Co-benefits

PowerPoint

Seven Degrees of Separation: The Public Health Implications of Climate Change
Public Health Benefits Of Strategies To Reduce Greenhouse Gas Emissions

Readings

Environmental Health Perspectives and the National Institute of Environmental Health Sciences, 2010. Summary of A Report Outlining the Research Needs on the Human Health Effects of Climate Change

Environmental Health Perspectives and the National Institute of Environmental Health Sciences, 2010. Summary of A Report Outlining the Research Needs on the Human Health Effects of Climate Change

Video

Links to 4 videos on Health and Climate Change

Week 11: Tobacco

Section 1: Tobacco

PowerPoint

Global Tobacco Burden: Estimating Global Death Toll from Tobacco
Tobacco in Developing Countries

Tobacco in US

Video

Links to 5 videos on Tobacco

Section 2: Development Issue

PowerPoint

Tobacco Control and Research in Developing Countries: Lessons from South Africa and Jamaica

Tobacco as Development Issue: Research for International Tobacco Control (RITC)

Reading

WHO Conference, 2008. Study Group On Economically Sustainable Alternatives To Tobacco Growing (In Relation To Articles 17 And 18 Of The Convention)

Section 3: Children

PowerPoint

Children's Exposure To Environmental Smoke / Involuntary Smoking In Developing Countries: Current Situation And Implications For Health And Development

Section 4: Corporations and Developed Countries' Roles

PowerPoint

The Growing Global Tobacco Epidemic and the International Response

Section 4: WHO Framework Convention on Tobacco Control (FCTC)

PowerPoint

FCTC: Accelerating the Work