Global Health

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Christiana Care Health System
Who are you (we)?

- Public health backgrounds?
- Research?
- International work experience?
What is Global Health?

• Global health concerns are “health problems, issues and concerns that transcend national boundaries, which may be influenced by circumstances or experiences in other countries, and are best addressed by cooperative actions and solutions”.
  – Institutes of Medicine (IOM)

• “Global health is a field at the intersection of several social science disciplines—demography, economics, epidemiology, political economy and sociology. It focuses on determinants and distribution of health in international contexts. The term global health comprises consideration of population health in a global context ....”
  – Wikipedia
Current Initiatives
The U.S. Government’s Global Health Initiative

“We will not be successful in our efforts to end deaths from AIDS, malaria, and tuberculosis unless we do more to improve health systems around the world, focus our efforts on child and maternal health, and ensure that best practices drive the funding for these programs.” —President Obama, May 5, 2009
Urgent Global Health Needs Remain

• **HIV/AIDS:** 33.4 million people live with HIV/AIDS globally; in 2008, 2 million people died of HIV/AIDS and nearly 3 million were newly infected.

• **Child Mortality:** Nearly 9 million children die in the developing world every year; approximately 2/3 of these deaths are from preventable causes.

• **Maternal mortality:** Between 370,000 and 530,000 mothers die in the developing world each year; every minute, a woman dies from complications related to pregnancy or childbirth and 20 more suffer injury, infection or disease.

• **Tuberculosis:** 1.8 million people die from TB and 9.4 million people are newly affected each year, of which 440,000 TB cases are multi-drug resistant.

• **Malaria:** 900,000 people die of malaria and 300 million people are newly infected annually.

• **Neglected Tropical Disease (NTDs):** 1 billion people are affected by NTDs.

• **Unintended Pregnancy:** 52 million unintended pregnancies occur annually.

• **Undernutrition:** 200 million children under the age of five, and 1 out of 3 women in the developing world are suffer from undernutrition.
Woodrow Wilson International Center for Scholars: GHI

Life and health are the most basic human rights, yet disparities between and within countries continue to grow–threatening political security and global stability. No single solution or institution can address the variety of health concerns the world faces. By leveraging, building on, and coordinating the Wilson Center’s strong regional and cross-cutting programming, the Global Health Initiative (GHI) promotes dialogue and understanding among practitioners, scholars, community leaders and policymakers.

The Initiative focuses on three global health areas:

- Maternal health
- Health care financing
- Health in post-conflict and post-disaster settings
Opportunities for Collaboration

and more...
Our institutions & others

- Christiana Care Health Services*
- University of Delaware
- Thomas Jefferson University
- Dupont Nemours
- Affiliates of DHSA
- Delaware Academy of Medicine
- Other Universities
- Non-governmental organizations
- Governmental organizations
- Foundations
- Corporations
- And more...

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Christiana Care Health Services

• Essential Obstetric Care
  – Prevention of Postpartum hemorrhage
  – Prevention of Eclampsia
  – Nutrition
  – Birth Preparedness
• Essential Newborn Care
  – Resuscitation
  – Kangaroo Mother Care
  – Development
• Family Planning
• Passive Smoking
• Vital Registration
• STIs/HIV
• And more...
Partnership for Maternal, Newborn & Child Health: A Starting Place

• Health care professional workshops & training
• The Partnership Strategy and Workplan 2009-2011
• The Partners' Forum 2010

• The key characteristic of The Partnership is that it is ‘partner centric’, supporting and facilitating the work of its members where there is added value working together, or activities are beyond the manageable limits of the partners working separately or in isolation.

• 2009-2011 PMNCH Strategy and Workplan six Priority Actions (PA’s)
  – PA 1 - Knowledge Management System for MNCH (KM)
  – PA 2 - Core Package of Interventions for MNCH (CP)
  – PA 3 - Essential Commodities for MNCH (EC)
  – PA 4 - Strengthening Human Resources for MNCH (HR)
  – PA 5 - Advocacy for Resources + Positioning of MNCH (AD)
  – PA 6 - Tracking Progress and Commitment towards MDGS 4 and 5 (TP)

http://www.who.int/pmnch/activities/en/
PMNCH: Membership

• Membership is divided into the following categories.
• Country members, who can bring their experience implementing policies and programs to improve the health of mothers, newborns and children;
• Organizational members, who work institutionally on maternal, newborn and/or child health, and whose work embodies the Partnership's principles;
• Honorary members, who have special knowledge and experience to offer in maternal, newborn and child health, and who have made outstanding contributions to the field
• In addition, members belong to six Constituency groups (below)

  – Academic, research and training institutions
  – Donors and foundations
  – Health care professionals
  – Multilateral organizations
  – Partner countries
  – Non-governmental organizations

http://www.who.int/pmnch/about/members/en/index.html
PMNCH Academic, research and training institutions

- Academia Nacional de Medicina
- Advanced Life Support in Obstetrics Advisory Board (ALSO)
- Aga Khan University
- Alexandria University, Faculty of Medicine, High Institute of Public Health (HIPH)
- All India Institute of Medical Sciences
- Averting Maternal Death and Disability (AMDD), Columbia University
- Ben Gurion University of the Negev Medical School for International Health, Faculty of Health Sciences
- Catalan Agency for Health Technology Assessment and Research (CAHTA)
- Carolina Breastfeeding Institute
- Centre for Global Health, Population, Poverty & Policy (CGHP3), University of Southampton
- Centre for Health and Population Studies (CHPS)
- Chalmers Anand Rao Institute of Medical Sciences
- Choices and Challenges on Changing Childbirth (CCCC), Regional Research Network, American University of Beirut
- Columbia University, Mailman School of Public Health
- Emory University Rollins School of Public Health
- Federal University of Pelotas, Brazil
- Global Alliance to Prevent Prematurity and Stillbirth (GAPPS)
- Global Network for Perinatal and Reproductive Health
- Global Network for Women’s and Children’s Health Research
- Harvard Humanitarian Initiative and Massachusets General Hospital
- Hoc Mai Australia Vietnam Medical Foundation
- Indian Council of Medical Research
- Institut National de Sante Public
- Institute for Clinical Effectiveness and Health Policy (IECS)
- Institute of Child Health
- International Centre for Diarrhoeal Disease Research, Bangladesh (ICDDR,B): Centre for Health and Population Research
- International Center for Reproductive Health, Ghent University
- International Institute for Health Care Professionals
- International Institute for Population Sciences (IIPS)
- Istituto per l’Infanzia IRSS Burlo Garofolo (WHO Collaborating Centre for Maternal and Child Health)
- Johns Hopkins Bloomberg School of Public Health
- Karolinska Institutet
- London School of Hygiene and Tropical Medicine (LSHTM/IDEU)
- Mahatma Gandhi Institute of Medical Sciences
- MARCH Centre
- Moi University
- National Institute of Child Health and Human Development, US
- Osaka Medical Center and Research Institute for Maternal and Child Health
- Prince Leopold Institute of Tropical Medicine Antwerp
- Program on Forced Migration and Health, Columbia University
- Qazvin Medical University, Health Deputy Department
- Research Triangle Institute
- Safe Motherhood Programs, Bixby Center, University of California, San Francisco
- School of Human Sciences, Osaka University
- Society for Education, Action, and Research in Community Health (SEARCH)
- Suez Canal University, Faculty of Medicine
- Tribhuvan University, Institute of Medicine
- Umeå International School of Public Health
- University of Aberdeen, Initiative for Maternal Mortality Programme Assessment (IMMPACT)
- University of Bergen, Priority Setting and Planning in Global Health Group
- University of KwaZulu-Natal, Department of Public Health Medicine, School of Family and Public Health, Nelson R Mandela School of Medicine
- University of Lagos, Department of Population Geography
- University of Limpopo, Department of Nursing Sciences, Medunsa Campus
- University of the Western Cape School of Nursing
- University of Zambia, School of Medicine
- Vanderbilt University Medical Center: Center for Evidence-Based Medicine and Institute for Global Health
- Women’s Global Health Imperative at RTI
PMNCH Donors and foundations

- Australian Agency for International Development (AusAID)
- Bill & Melinda Gates Foundation
- Canadian International Development Agency (CIDA)
- Centers for Disease Control and Prevention, Division of Reproductive Health (DRH)
- Department for International Development, UK (DFID)
- Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ)
- Doris Duke Charitable Foundation
- France, Ministry of Foreign and European Affairs
- Government of Norway
- Government of The Netherlands
- Italian Development Cooperation
- Japan International Cooperation Agency (JICA)
- John D. and Catherine T. MacArthur Foundation
- Sweden, Ministry of Foreign Affairs
- United Nations Foundation (UNF)
- U.S. Agency for International Development (USAID)
PMNCH health care professionals

- American Academy of Pediatrics
- American College of Nurse-Midwives
- Council of International Neonatal Nurses (COINN)
- Federation of Asia and Oceania Perinatal Societies (FAOPS)
- FIP - International Pharmaceutical Federation
- G.M. Khan Memorial Medical Centre & Maternity Home
- Granti-Med Medical Clinic
- Hayfords Global Foundation
- International Confederation of Midwives (ICM)
- International Council of Nurses
- International Federation of Gynaecology and Obstetrics (FIGO)
- International Pediatric Association (IPA)
- International Union Against Tuberculosis and Lung Disease
- Obstetric Anaesthetists' Association (OAA)
- Obstetrical and Gynaecological Society of Bangladesh
- Rakiya Rural Approach Network
- Royal College of Nursing
- Royal College of Obstetricians and Gynaecologists
- Society of Obstetricians and Gynecologists of Canada (SOGC)
- Society of Obstetricians and Gynecologists of Pakistan (SOGP)
- Tamilnadu Federation of Obstetricians & Gynecologists
- World Federation of Societies of Anaesthesiologists (WFSA)
PMNCH Multilateral agencies

- GAVI Alliance
- International Labour Organization (ILO)
- UNAIDS Secretariat
- United Nations Children's Fund (UNICEF)
- United Nations Population Fund (UNFPA)
- World Bank
- World Health Organization (WHO)
PMNCH Partner countries

- Government of Bangladesh
- Government of Bolivia
- Government of Cambodia
- Government of Chile
- Government of Ethiopia
- Government of India
- Government of Indonesia
- Government of Mali
- Government of Mozambique
- Government of Nepal
- Government of Nigeria
- Government of Pakistan
- Government of Senegal
- Government of Tanzania
- Government of Uganda
PMNCH Non-governmental organizations (1)

- 34 Million Friends of the United Nations Population Fund (UNFPA)
- Academy for Educational Development (AED)
- Access to Clinical and Community Maternal, Neonatal and Women's Health Services (ACCESS)
- Action Canada for Population and Development
- Action Group on Adolescent Health (The Campaign Against Unwanted Pregnancy)
- ActionAid USA
- Africa Public Health Rights Alliance and “15% Now!” Campaign
- Africa Solutions Inc.
- Africa Youth for Peace and Development Organization
- Aga Khan Development Network
- AISEDUP
- Alianza Argentina para la salud de la madre, recien nacido y nino (Argentine Partnership for Maternal, Newborn & Child Health)
- Alliance for Reproductive Health Rights (ARHR)
- AMREF - African Medical and Research Foundation
- Aria International
- Asociación Benéfica Prisma
- Association of Maternal and Child Health Programs (AMCHP)
- Association of Safe Motherhood Promoters Nigeria
- Azad India Foundation
- Bangladesh Rural Advancement Commission (BRAC)
- BASICS (Basic Support for Institutionalizing Child Survival)
- Bethlehem Foundation for Safe Motherhood
- Bhartiya Mahila Evam Gramin Utthan Sansthan
- Bhoruka Public Welfare Trust
- Breastfeeding Promotion Network of India (BPNI), Ludhiana District Branch, Punjab
- Canadian Society for International Health (CSIH)
- Cara International Consulting Ltd
- CARE International - Zambia
- CARE USA
- Centre for Counselling, Nutrition and Health Care (COUNSENUTH)
- Centre for Enlightenment and Development Intervention (CEDI)
- Centre for Healthworks, Development and Research (CHEDRES)
- Cercle des Amis du Cameroun (CERAC)
- Chelma Advisory Institute
- Child Health and Nutrition Research Initiative (CHNRI)
- Child Maternal & Adolescent Life Project (CIMALP)
- Children's Project International
- CIAM - Public Health Research & Development Centre
- Coalition for Rational and Safe Use of Medicines (CORSUM)
- <Commonwealth Secretariat, UK
- Compassion Service Society
- CORE Group
- Deutsche Stiftung Weltbevoelkerung (DSW)
- Development Assistance for Farmers & Farm Labors - Bangladesh (DAFF-Bangladesh)
- Development Communications Network
- Development Gateway Foundation
- Doctors with Access to Clinical and Maternal, Neonatal and Child Health (CUAMM)
- Canadian Society for International Health (CSIH)
- Eakok Attomanobik Unnayan Sangstha
- Cara International
- CARE International - USA
- Empowering Women for Excellence Initiative (EWEI)
- Centre for Counselling, Nutrition and Health Care (COUNSENUTH)
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- Compassion Service Society
- CORE Group
- Deutsche Stiftung Weltbevoelkerung (DSW)
PMNCH Non-governmental organizations (2)

- Healthy Mothers Healthy Babies Coalition of Hawaii
- Health Right International
- Health Vigilance Programme Cameroon (HVP)
- Heidelberg Christian Community & Medical Centre
- Helen Keller International
- Himalayan Inland Mission CHDP Programme
- Hindustan Latex Family Planning Promotion Trust (HLFPPT)
- Human Advancement, Reorientation and Empowerment for Environment & Health (HAREETH)
- Infante Sano
- Institute for OneWorld Health
- Integrated Rural Development Programme (IRDP)
- Integrated Social Development Effort (ISDE) Bangladesh
- Integrated Village Development Society (IVDS)
- Interact Worldwide
- Interchurch Medical Assistance (IMA) World Health
- International Association for Maternal and Neonatal Health (IAMANEH)
- International Baby Food Action Network (IBFAN)
- International BabyFood Action Network (IBFAN) AFRICA
- International Children’s Center
- International Council for Control of Iodine Deficiency Disorders (ICCIDD)
- International Initiative on Maternal Mortality and Human Rights
- International Institute
- International Planned Parenthood Federation (IPPF)
- Interprea
- IntraHealth International, Inc.
- IPAS (International Pregnancy Advisory Services)
- Japanese Organization for International Cooperation in Family Planning (JOICFP)
- JHPIEGO
- John Snow, Inc.
- Kalpavriksh
- Kano Stasion cvt 67
- Kenya Association for Maternal and Neonatal Health (KAMANEH)
- Kuwanti Hospitals & Research Centre
- Kyabugimbi Community Based Health Care Association (KCBHC)
- La Leche League International
- Latin American Maternal Mortality Reduction Initiative
- Legal Aid Centre for Women
- Libyan Society for Safe Childhood (LSSC)
- Lifeline Foundation Nigeria
- Little Big Souls
- Live Alive Foundation
- Management Sciences for Health
- Manav Kalyan Pratisthan
- MANT, Kolkata
- March of Dimes
- Marie Stopes International
- Maternal and Child Health Integrated Program (MCHIP)
- Maternal Health Task Force
- Maternity Worldwide
- Metis National Council
- Micronutrient Initiative
- Minnesota International Health Volunteers
- Mother & Child Health Care (MCHCare)
- MotherNewBorNet
- MY-HEART (March of Youth for Health, Education and Action for Rural Trust)
- Nagaad Umbrella Organization
- Nari Unnayan Sangstha (NUS)
- National Committee for Maternal Health (NCMH)
- Nepal Social Marketing and Franchising Project
- NIAHRD
- Norwegian Afghanistan Committee (NAC)
- Obstetric Fistula Working Group
- ONE
- Options Consultancy
- Options Consultancy South Africa
- Organization for Good Life of the Marginalized
- Organisation pour la Santé des Délaissés (OSAD)
- Orphans Relief Services Tanzania (ORES)
PMNCH Non-governmental organizations (3)

- Osservatorio Nazionale Sulla Salute della Donna - O.N.Da (The National Observatory for Women's Health)
- Pathfinder International
- Perinatal Education Trust
- PETCOM Integrated Training Consult
- Pharmed Trade News
- Philippine NGO Council on Population Health & Welfare, Inc. (PNGOC)
- Plan International USA
- Polli Dustha Kallyan Shangstha (PDKS)
- Population Action International
- Population Council
- Population Media Center
- Population Reference Bureau
- Program for Appropriate Technology in Health (PATH)
- Project Concern International
- Project HOPE (Health Opportunities for People Everywhere)
- PSI
- Public Health Research & Development Centre (CIAM)
- Rainbow Nari O Shishu Kallyan Foundation
- Redeem Community Health Consult
- Regional Prevention of Maternal Mortality Network
- Reproductive Health Response in Conflict (RHRC) Consortium
- Reseau Ensemble pour le Developpement Durable du District (D’Arta (EDDA)
- Rotarian Action Group for Population & Development (RFPD)
- Rural Integrated Relief Service-Ghana
- Rurowa Laue Tathang (RLT)
- Rutgers Nisso Groep/Youth Incentives
- Safe Motherhood Network of Nepal
- Santé Globale Développement Intégré (SDI), VIH-SIDA
- Saraswathy Shanmugam Public Charitable Trust
- Save the Children UK
- Save the Children USA
- Save the Children, Saving Newborn Lives
- Save Visions Africa (SVA)
- Seattle Home Maternity Service
- Serve Train Educate People's Society (STEPS)
- SingHealth IMPAct (Singapore Health Services Pte Ltd's Program of International Medical & Public Health Development Assistance Activities)
- Social Fun for Development Egypt
- Social Welfare & Community Development Society (SWCDS)
- Society for Advancement of Health, Education and Research
- Society for Anti-AIDS Among the Nigerian Students (SANS)
- Space Allies
- Student Campaign for Child Survival (SCCS), USA
- Swami Ram Krishna Paramhansa Maa Sahrda Sewa Samiti (SRKM Civil Society)
- Swat Youth Front
- Task Force for Child Survival and Development
- The Manoff Group
- The Wellbeing Foundation Nigeria
- Uganda Protestant Medical Bureau (UPMB)
- University Research Co., LLC, Center for Human Services (URC-CHS)
- US Coalition for Child Survival
- Volta Regional Health Administration, Health Services, Ministry of Health, Ghana
- WaterAid
- "White Ribbon Alliance USA
- White Ribbon Alliance Zambia
- Woman and Health Alliance International
- Women Acting Together for Change (WATCH)
- Women Advocates Research and Documentation Center
- Women and Children First
- Women and Community Livelihood Foundation
- Women Deliver
- Women United for Economic Empowerment (WUEE)
- Women’s Health and Action Research Centre (WHARC)
- Women’s Initiative for Self-Actualization (WISA)
- World Vision International
- Youth Empowerment for Development Ministries International (YEDEM)
- Youth Front Pakistan (YFP)
- Youth Peer Education Network (Y-PEER)
- Zimbabwe Grace Trust
Tools Needed to Enable GH Research
Tools to Enable GH Research

and more...
Tools Needed to Enable GH Research

• Training
• Experience
• Methodologic knowledge
• Substantive knowledge
• Geographic/local knowledge
• Colleagues/collaborators
• Instrumentation
• Interest/Support
What we have learned so far about solving health problems

- It needs money and commitment
.....and prioritization.
What we have learned so far about solving health problems

- The biggest gains in global health have happened because of:
  - vaccination
  - improved water and sanitation (hygiene)
  - improved education for females
  - access to choice-based reproductive health services (especially contraception)
  - Not, interestingly, wealth alone or education alone...
What we have learned so far about solving health problems

- ...When was the last time you saw an ad for condoms or oral contraceptives on a US billboard?

**Condom Billboard Placement Leaves Mass. Locals Shaking Their Heads**

FRIDAY, AUGUST 10, 2007
FOXNews.com
Scenes from elsewhere
Meanwhile, back at home…
Focus of your Global Health Participation

- Define the model of global health you are interested in
  - An occasional week/month doing clinical work abroad
  - Research- basic, clinical, applied
  - Public Health- setting global health policy and priorities

- Define your present stage of awareness and knowledge of global health
  - First exposure
  - Previous work in the field
  - Level of vocabulary (i.e., global /public health background, didactic course work)

- Define your motivations
  - Altruism
  - Science
  - Tourism
  - Philanthropy
  - Missionary work
  - Adventure
Options for education

- Teaching medical students or nursing students
  - Precept during abroad rotations
  - Teach a didactic course in global health
- Teaching advanced trainees—e.g. residents
GH educational topics for US medical trainees

- Malnutrition*
- Family Planning/Reproductive Health*
- Immunizations*
- Cross-Cultural Communication*
- Maternal & Child Health*
- Water & Sanitation*
- Community Health Care*

*Essential topics

- STIs including HIV/AIDS
- Health Systems
- Intestinal parasites
- Malaria
- Acute Respiratory Infections
- Lab diagnosis
- Field Epidemiology
- Viral Infections
- Tropical Dermatology
- Travel Medicine
- Mental Health
- Refugee Health
- Disaster health Care
- Basic surgical procedures
- Basic obstetrical procedures
- Non-Western medical models

Heck & Pust, *Acad Med* 68 (8)
Khan & Rodgers, AAFP ’04
Options for service/practice

- Set up abroad experience for training, research, education, service
- Partner with institution in developing country for long-term
- Form a network of deployable health professionals for disaster relief
But how about going on health missions?

- A surprising number of US ‘global health’ medical projects derive inspiration from this model and proselytize along with the medical aid abroad elective for students.
- Quite difficult to do well, once one considers all the cultural issues, figuring out whether one is doing more harm than good, learning the basics of epidemiology, political science, geography, health policy and so forth.
- It’s almost like it should be its own specialty....
Challenges
The Millennium Development Goals

• 1. Eradicate extreme poverty and hunger
   – Halve the proportion of people living in extreme poverty by 2015
   – Halve the proportion of people who suffer from hunger by 2015.

• 2. Achieve universal primary education
   – Ensure that by 2015, children everywhere, boys and girls alike, will be able to complete a full course of primary schooling.

• 3. Promote gender equality and empower women
   – Eliminate gender disparity in primary and secondary education, preferably by 2005, and in all levels of education no later than 2015.

• 4. Reduce child mortality.
   – Reduce by two-thirds the under-5 mortality rate by 2015.

• 5. Improve maternal health
   – Reduce by three-quarters the maternal mortality ratio by 2015.

• 6. Combat HIV/AIDS, malaria and other diseases
   – By 2015 halt and begin to reverse the spread of HIV/AIDS
   – By 2015 halt and begin to reverse the incidence of malaria and other major diseases.

• 7. Ensure environmental sustainability
   • Integrate the principles of sustainable development into country policies and programs and reverse the loss of environmental resources.
     – Halve by 2015 the proportion of people without sustainable access to safe drinking water and basic sanitation
     – By 2015 achieve a significant improvement in the lives of at least 100 million slum dwellers.

• 8. Create a global partnership for development with targets for aid, trade and debt relief
   – Develop further an open, rule-based, predictable non discriminatory trading and financial system
   – Address the special needs both of the least developed countries and of landlocked and small island developing countries.
     Deal comprehensively with the debt problems of developing countries through national and international measures in order to make debt sustainable
   – In cooperation with developing countries, develop and implement strategies for decent and productive work for youth
   – In cooperation with pharmaceutical companies, provide access to affordable essential drugs in developing countries
     In cooperation with the private sector, make available the benefits of new technologies, especially information and communications.
The Reality 25 Years Ago (& Now)

10 priorities for child health, 1985

1. Peace
2. Maternal Education
3. Birth Spacing
4. TT for Fertile age women
5. Trained Attendant at Delivery
6. Breast Feeding
7. Appropriate Weaning
8. Immunization of Infants
9. Treatment of Acute Illness
10. Safe Water

Social determinants of health

1. The social gradient
2. Stress
3. Early life
4. Social exclusion
5. Work
6. Unemployment
7. Social support
8. Addiction
9. Food
10. Transport

Maternity hut in Ghana
How do we get there from here?

1. Who are we?
2. What do we want to do?
3. What resources do we have locally?
4. What resources do we need to obtain?
5. What education, training, mentorship do we need to get?
6. What is the next step?
Who are you (we)?

- Global Health Participant List
  - Public health backgrounds?
  - Research?
  - International work experience?