Translational Research and Advocacy: New Paradigms for Equity

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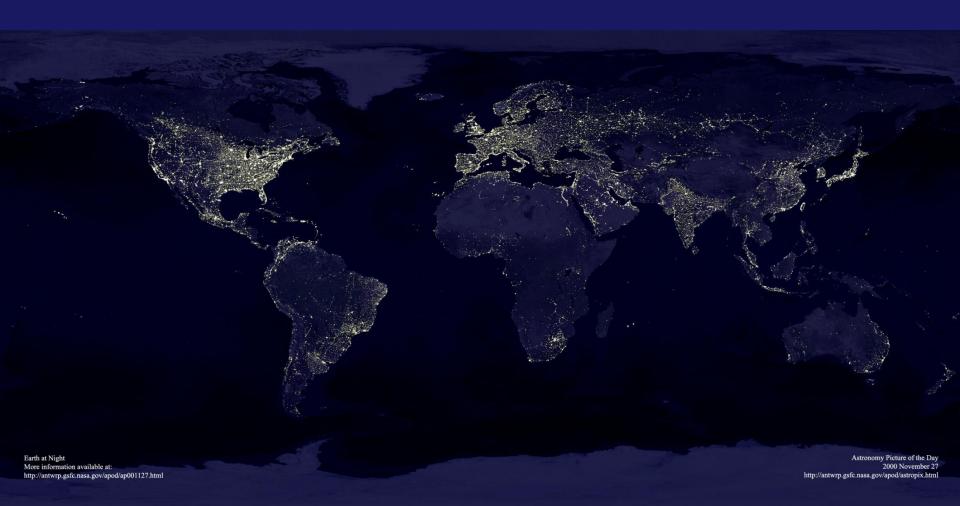
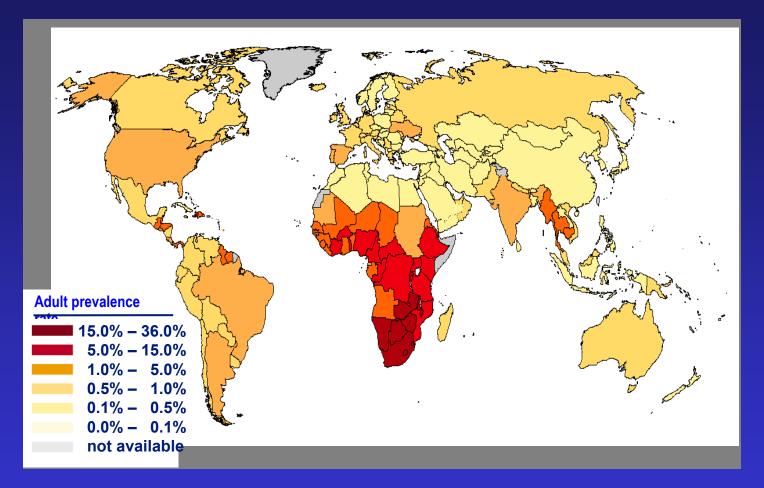


Image courtesy of NASA. Credit: C. Mayhew & R. Simmon (NASA/GSFC), NOAA/ NGDC, DMSP Digital Archive



Global Prevalence of AIDS

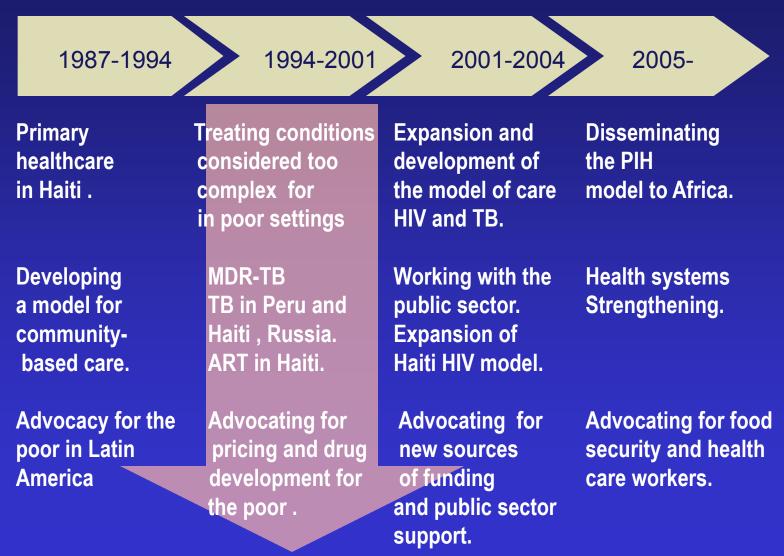


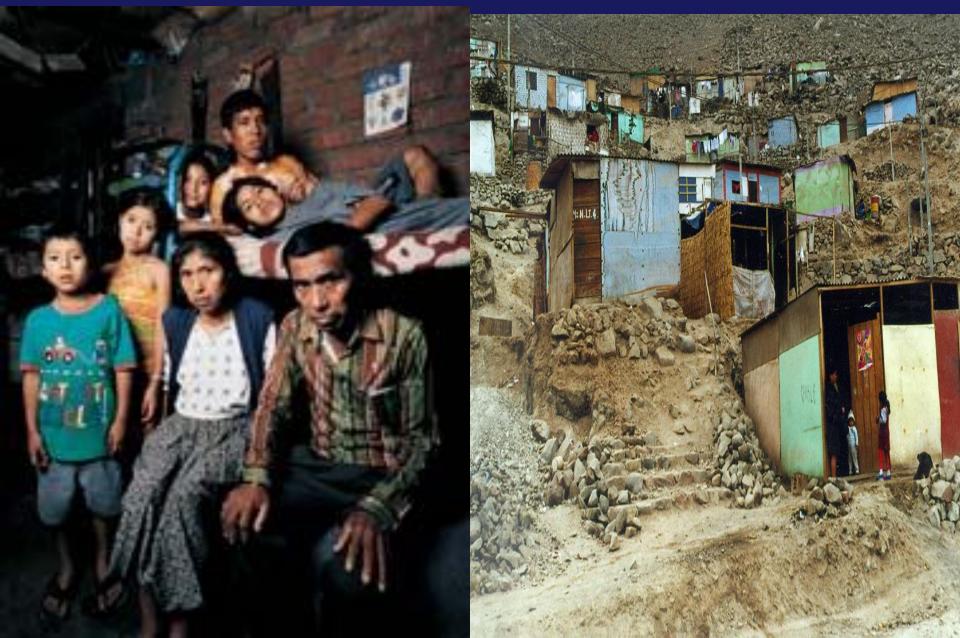
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WHO, 2003

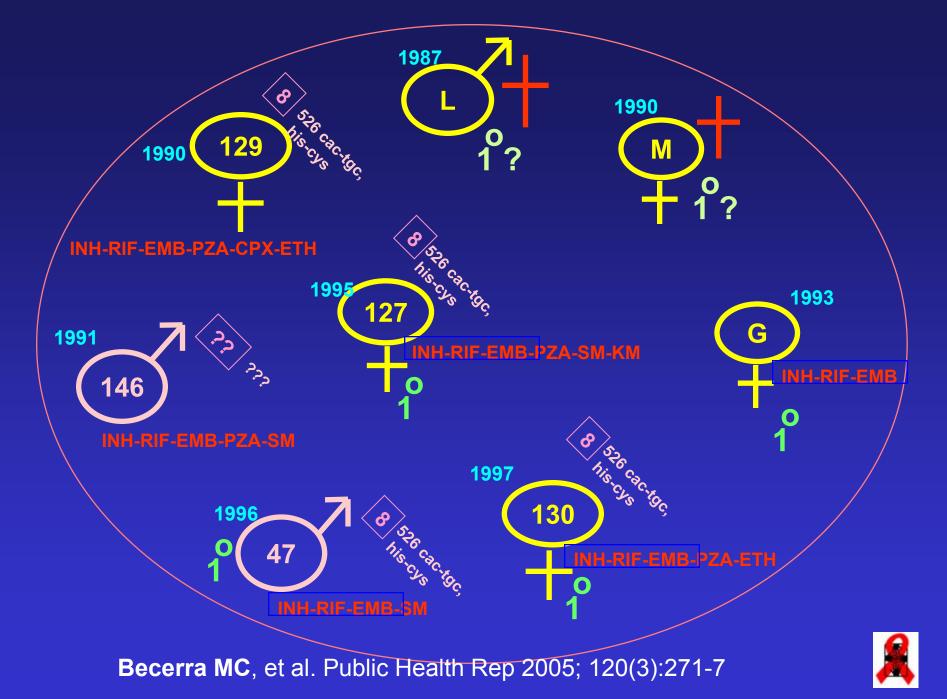
PIH Time Line







PIH Socios en Salud project 1999



X-ray image showing cross-section of back removed due to copyright restrictions.

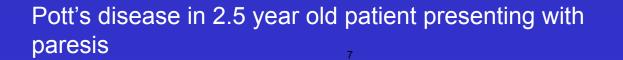


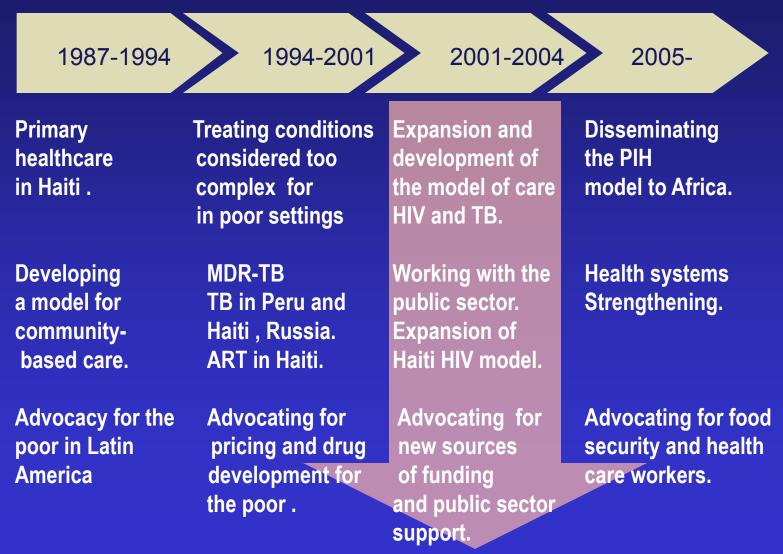


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Mukherjee JS, Joseph JK, Rich ML. et al. Clinical and programmatic considerations in the treatment of MDR-TB in children: a series of 16 patients from Lima, Peru. Int J Tuberc Lung Dis. 2003;7(7):637-44.



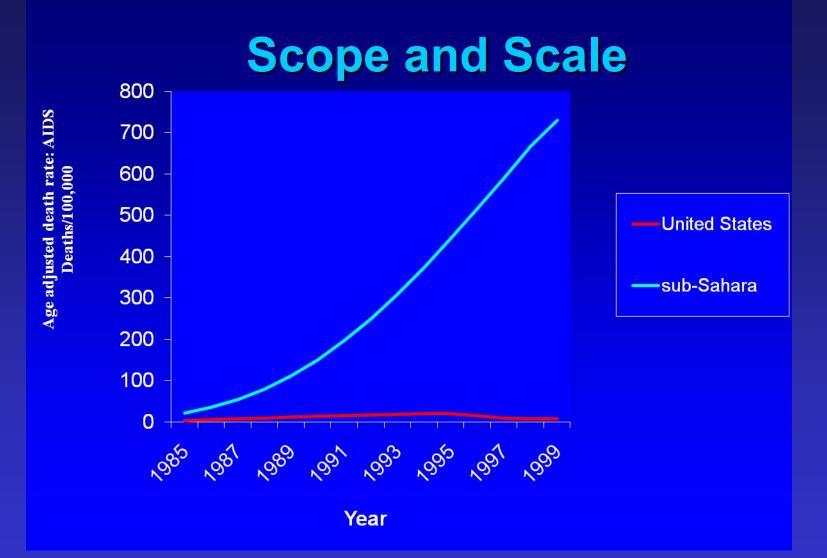
PIH Time Line



Tackling HIV in Resource Poor Countries



Mukherjee, JS et al. BMJ 327 (8), 2003



Individual Members of the Harvard Faculty. Consensus Statement on Antiretroviral Treatment for AIDS in Poor Countries. Topics in HIV Medicine 2001 Jun; 9(2).



It's too hard.....2000

It's 17 to 25 pills a day... Every two hours.... And you have to change the cocktail ...every three or four months , or you can die from the toxicity of the drugs.



Image courtesy of Andres Rueda on Flickr.

'Many people in Africa have never seen a clock or a watch their entire lives. And if you say, one o'clock in the afternoon, they do not know what you are talking about.'



Feasibility of ART in Resource Poor Settings

- Over 1500 HIV-positive people followed
- 60 patients treated with DOT-HAART
- Each DOT-HAART patient has an *accompagnateur*.
- Accompagnateurs observe ingestion of the therapy at least once a day.
- They all gained weight

Farmer P, Leandre F, Mukherjee JS et al. DOT-HAART: Supervised Therapy for Advanced HIV Disease, Lancet 2001; 358







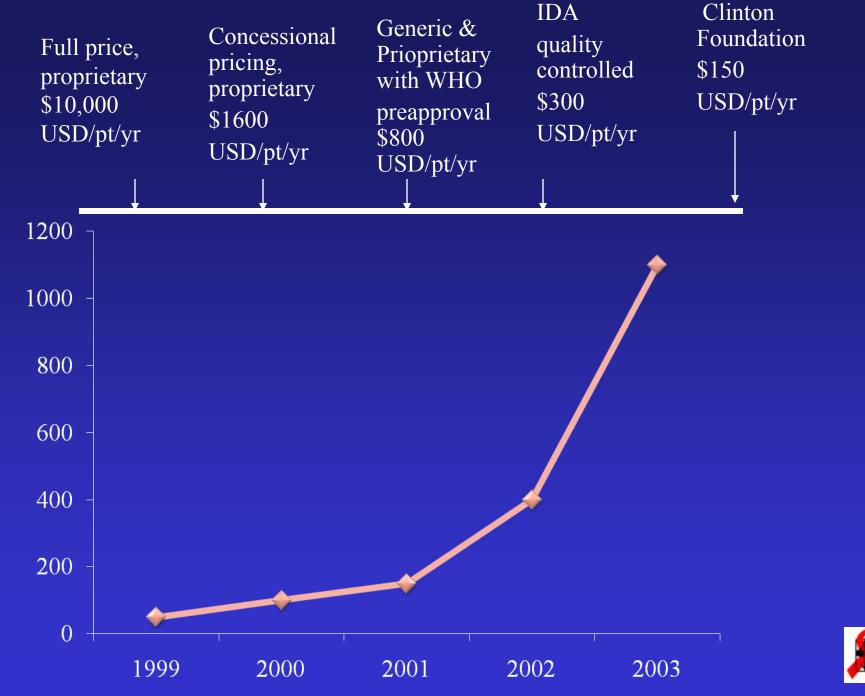
PIH photo

Accompagnateurs

- Selected by the patient needing treatment
- Visit patients at home once or twice daily; each accompagnateur follows an average of 4 patients
- Monthy salary is 300 Haitian dollars (\$38 American)
- Supervised by the head nurse, who regularly meets with each patient and accompagnateur to discuss medication adherence

Mukherjee JS, Eustache E. Community health workers as a cornerstone for integrating HIV and primary healthcare. AIDS Care. 2007;19 Suppl 1:73-82







Vasan A, Hoos D, Mukherjee JS, et al. The pricing and procurement of antiretroviral drugs: an observational study of data from the Global Fund. Bull World Health Org 2006 May, 84(5):393-398.



Basing treatment on rights rather than ability to pay: 3 by 5

Images removed due to copyright restrictions.

Mukherjee, JS The Lancet 363, 2004



Integrated HIV Prevention and Care Strengthens Primary Health Care

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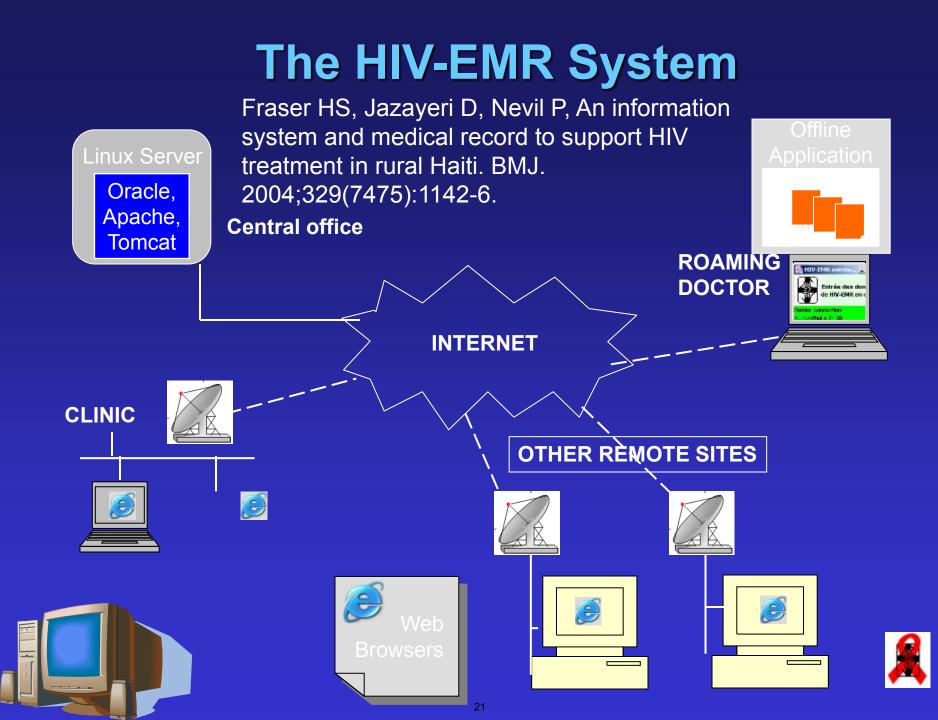
Walton, D et al. J.Pub Health Pol 25(2), 2004



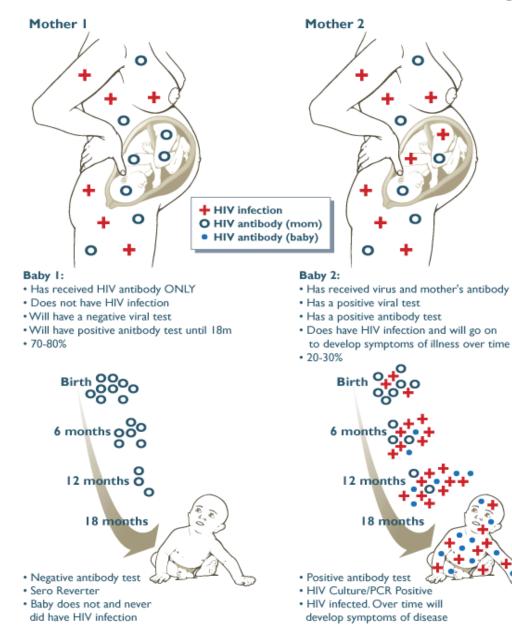
AIDS treatment siphons resources from primary care.....

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Passive Transfer of Maternal Antibody





Thanks to I-TECH

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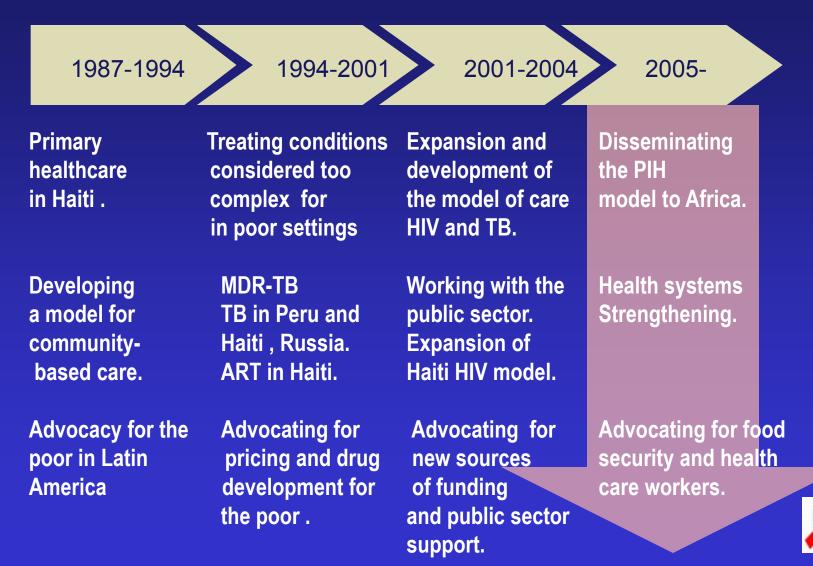


Image removed due to copyright restrictions.

Ivers LC, Smith Fawzi MC, Mann J. Overseas processing of dried blood spots for timely diagnosis of HIV in Haitian infants. Rev Panam Salud Publica. 2008;24(5):331-335.



PIH Time Line



Community Partnership



Courtesy of Partners in Health. Used with permission.

Mukherjee, PIH photo

Revitalizing Hospitals



Courtesy of Partners in Health. Used with permission.



PIH photo

Public Sector Model



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- Governments (not NGOs) can ensure the right to services.
- Building the public health infrastructure and education system (not private clinics and schools) will best serve the public and allow the right to health care and education.
- Integrated HIV programs can increase uptake of vaccinations, family planning, and improve primary health care in the public sector

Mukherjee, PIH photo



Village Health Workers and Household Chart

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PIH photo

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SECTION 4 LIST ANYONE WHO IS REACTIVE

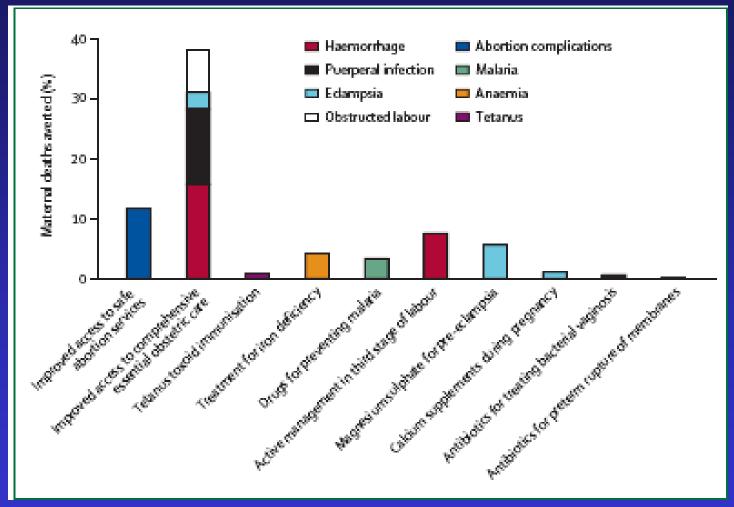
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Interventions with Proven Effect on Maternal Survival

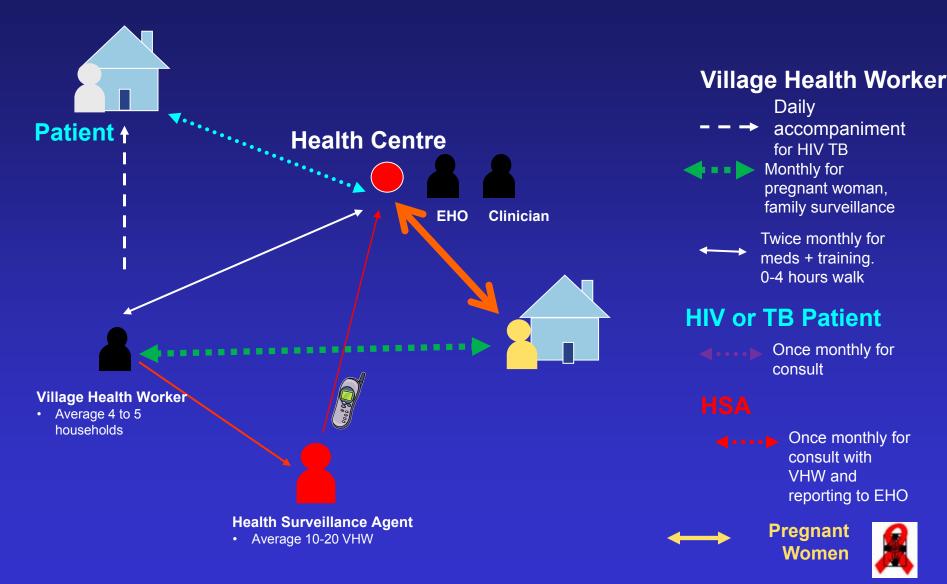


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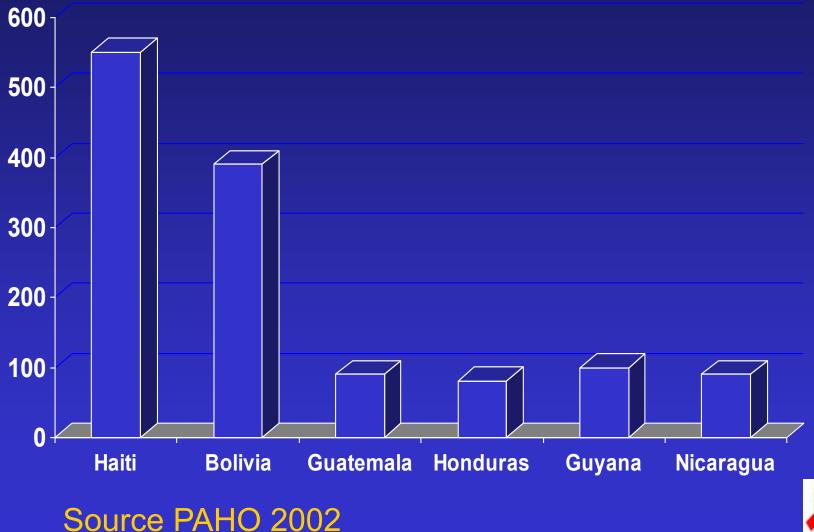
Freedman, L., et al. "Transforming health systems to improve the lives of women and children." *The Lancet* 365 (2005): 997-1000.



Village Health Workers' Integration into Malawian Health System



Maternal Mortality per 100,000 Live Births





Matope ANC Attendance

Total ANC visits by month



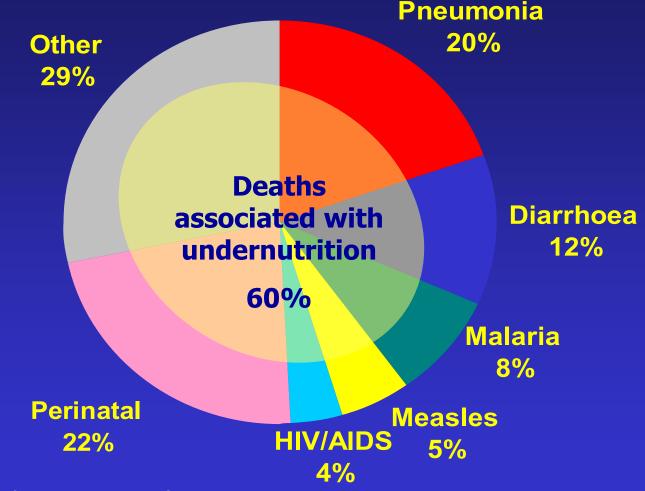




Mukherjee, PIH photo



Major causes of death among children under five, world, 2000

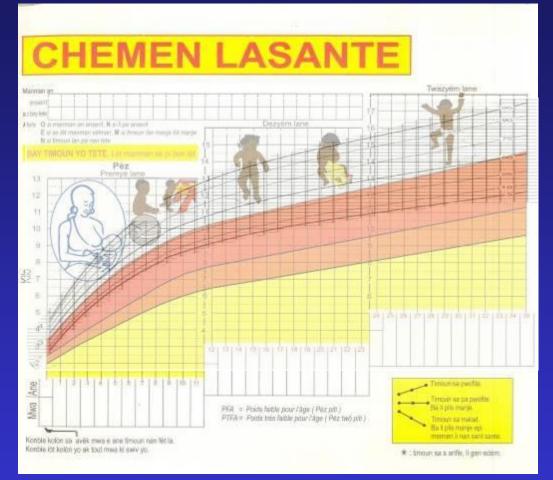


For cause-specific mortality: EIP/WHO.

Sources:

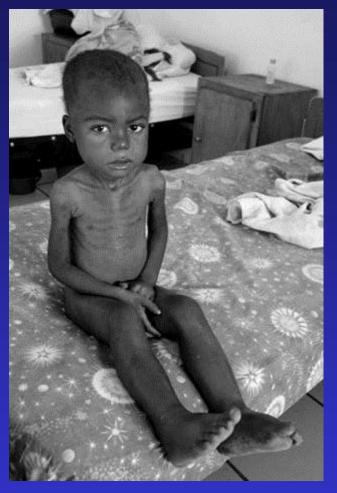
For deaths associated with malnutrition: Caulfield LE, Black RE. Malnutrition and the global burden of disease: underweight and cause-specific mortality. Paper in preparation.





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2005: 19 years old, Graduated first in his class...



HST.S14 Health Information Systems to Improve Quality of Care in Resource-Poor Settings Spring 2012

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