Global Burden of Disease

- HIC represent 15% of world population
- MIC represent 47%
- LIC represent 37%
Why?

- LMIC have characteristics that differ from developed countries
  - Patterns of morbidity & mortality (high HIV prev.)
  - Human resource shortages
  - Infrastructure challenges
Global Health Informatics

We define the field of *Global Health Informatics* as the application of the principles of medical informatics in the context of both challenges and opportunities common to low- and middle-income country settings.
Malawi, Africa

- Landlocked country bordered by Zambia, Tanzania, and Mozambique
- Population ~ 16.4 million people
- Under 5 mortality rate ~ 92/1000 births
- HIV prevalence ~ 11%
- Total expenditure on health/ capita ~ $83
- Ratio of physicians to patients ~ 88,321:1
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Informatics as an ‘Intervention’

- Baobab Health Trust (founded 2001)
- BHT’s Mission is to improve health by building, deploying and maintaining innovative, robust and sustainable health care information systems suitable for the developing world