The burden of disease in northeast Kenya

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The multiple burden of disease - what do we include?

• Disability-adjusted life years (DALYs)
• Economic impact
  • What are the costs for society, and the country with endemic and epidemic disease?
  • What are the costs for families and individuals?
• Environmental impact

Framework for the effects of disease in humans and animals

Study on disease and economic impact

221 households in Kenya - majority kept small ruminants (n=206) and/or cattle (176)
Low expenditure on disease prevention - one family paid $2 for health insurance
Mean 2.3 disease episodes per family in the last 2 weeks (range 0-6).
A sick person spent up to $20 on medication, up to $30 on travel for health care
Fever, headache, pain and gastrointestinal disorders were commonly reported

Dynamic drivers of disease in Africa

• A consortium looking at how diseases are affected by land use changes,
• The case study in Kenya studies the effects of irrigation systems on vector borne diseases