

Health Approaches to Valuation

Metrics

- **Non-monetized**
 - Attributable burden of disease
 - DALYs
- **Monetized**
 - Health expenditures
 - Labor and productivity losses
 - Willingness to pay
 - WHO-CHOICE (CHOosing Interventions that are Cost Effective)
 - <http://www.who.int/choice/en/>

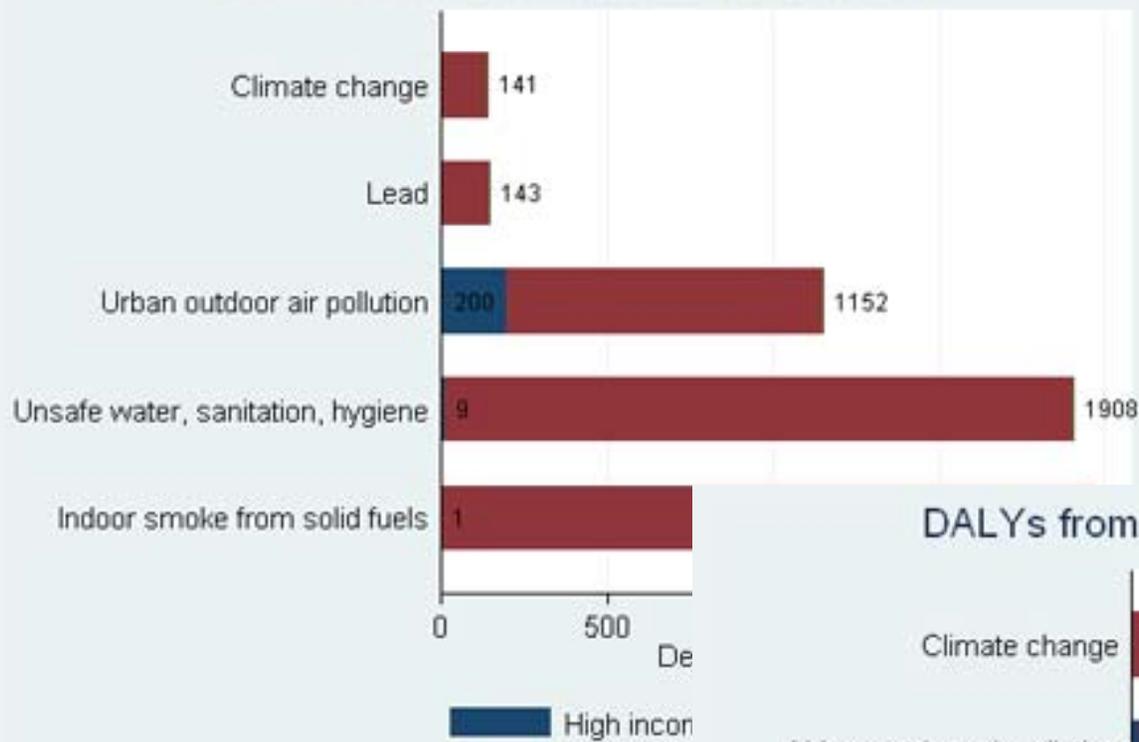
Disease Burden

- Population attributable risk is the reduction in incidence that would be observed if the population were entirely unexposed, compared with current (actual) exposure (excess risk)
 - Morbidity and mortality
- DALYs (disability adjusted life year) combines morbidity and mortality; it includes life lost due to premature death and years of healthy life lost due to states of poor health or disability

Advantages / Disadvantages

- Issues with placing a value on a human life
 - Health expenditures
 - GDP variation
 - Cultural
- Burden of disease estimates are:
 - Internally consistent
 - Standardized methods
 - Comparable across temporal and regional scales

Deaths from environmental risks in 2004



DALYs from environmental risks in 2004

