

Economic burden of diabetes

Measurement approaches

Willingness-to-pay approach

Cost-of-illness approach (debility, morbidity & mortality)

Macroeconomic / Production function approach

Direct cost

Indirect cost

Intangible cost:

- ◆ Physical pain
- ◆ Psychological pain

Household:

- ◆ Prevention costs, e.g. exercise, diet
- ◆ Treatment costs, e.g. transport, user fees
- ◆ Other health care access costs (e.g. bribes)

Organization & operation of health system:

- ◆ Prevention, e.g. health education
- ◆ Medicines (insulin, oral drugs)
- ◆ Hotel costs (HRH time, utilities, food, materials, equipment, building space)
- ◆ Diagnostic costs (HBA1c test, lipid profile, proteinuria test, blood sugar, test, electrocardiogram)
- ◆ Other costs

Short-term cost:

Value of productive time lost due to diabetes

Indirect cost:

- ◆ Premature mortality
- ◆ Permanent disability
- ◆ Temporary disability
- ◆ Time of family caregivers