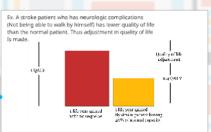
Cost Benefit Analysis (CUA)

Values both costs and benefits in money terms and compares them through criteria:

BENEFITS

- · It directly compares the benefits of a chosen option against the costs incurred with the option.
- Ratio shows how many times the cost is earned by its health effect through monetary benefits of a certain

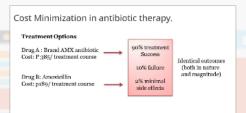


Types of Economic Evaluation

Cost Utility Analysis (CUA)

- · Another form of CEA but differs slightly because it measures the effects of a project programs in terms of utilities (quality-adjusted health outcome caused or averted).
- · Like CEA it can focus on either minimizing cost or maximizing effect. Costs are expressed in terms of costs per QALY or QALY's per monetary unit.

How much money do we spend for every unit of health effect we want to get?



Assume that we are evaluating a project proposing to vaccinate 2,000 children for measles in a certain distant province. Assume also that the cost per child immunized is P300.00. We know that if we do not immunized these children for measles, there is a good chance that they will contract it. Is it cost-beneficial for us to immunized all of them?

- ASSUMETHAT ALL THESE PARAMETERS ARE TRUE.

 90% of uninnumical children will contract messive.

 Of those who will contract in 190% will have complications.
- Of those who develop complications, goV will have meeting a encaphalitis, and 97% will have be one-logoromords.

Uncomplicated cases = P (500.00/ case Meningo encephalitis = P 20,000/ case Branchopromocala = P (5.000/case

Cost of immunizing 2,000 children at P300.00 each = P 600,000

Cost of not immunizing children:



Basic Principles of Economic Evaluation

Decision Making – Economic Evaluation are techniques done to evaluate options which all promise to produce "better health".

Which of the alternatives will provide the most health effect for every peso spent for the improvement of health?

Types of Economic Evaluation

Cost Minimization Analysis (CMA)

- · Is a derivation of the CEA but focuses on costs of different given alternative programs or intervention options.
- Assumes that regardless of whichever option is
- taken, the effects or outcomes will be identical. With the assumption that outcomes of the interventions are measurably identical, the least option is chosen.

Evaluating options in undertaking an immunization drive.

| OPHONS | # of IMMUNIZED CHILDREN | THE PROJECT | COST- EFFECTIVENESS ILVITO |
|--------------------------------|-------------------------------|-------------|----------------------------------|
| Use Torongay Dealth Centers | 323000 | Pageninee | P g8.39/child incounteed |
| Um Mobile Clinica | 45,000 | Радуууна | Fuggg/didd immunisal |
| Use Jollibee Stores | 38,670 | P3,750,000 | P 95.97/child immuniced |
| | | | |

i etconomolicated case
 162 Me. imprinsephulits
 x P.55, and
 = P.3,240,000.00

 200 mereles brench queenmeix
 x P.3,000
 P.3,260,000.00

 TOTAL COST et non immunitation
 = P.9,3,000
 P.3,500 (1444-10)
 Cost Resetit Sutio = 9 510,0100/fine,00 = 15.0 Therefore the project is highly beneficial



Basic Principles of Economic Evaluation Comparing with Benefits

Evaluation

"Bang" and "Buck" Bang - Outcomes/benefits/effects Buck - Costs How much "bang" do you get for each "buck"

spent for?

Cost Effective Analysis (CEA)

- Most frequently used technique. Investigates the best way of achieving a single
- objective by comparing effects and costs. · Evaluates either (1) which possible intervention will best achieve a given objective at the least cost; (2) when given a fixed budget, which intervention
- maximizes the effectiveness of the expenditure. Total Cost / Total Health Effect
- It is a ratio that compares costs per health effect

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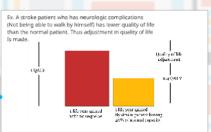
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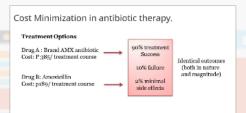


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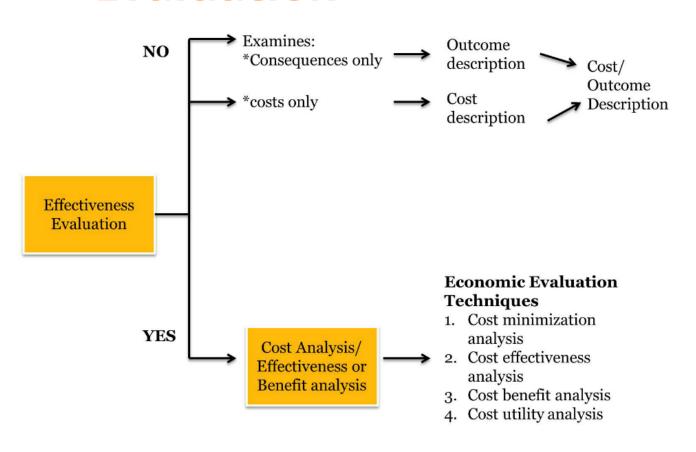
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Basic Principles of Economic Evaluation

Comparing
Costs
with Benefits



Basic Principles of Economic Evaluation

"Bang" and "Buck"

Bang – Outcomes/benefits/effects

Buck - Costs

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Evaluating options in undertaking an immunization drive.

| OPTIONS | # of IMMUNIZED CHILDREN | TOTAL COST OF THE PROJECT | COST- EFFECTIVENESS RATIO |
|--------------------------------|-------------------------------|------------------------------|---------------------------------|
| Use Barangay Health Centers | 35,000 | P3,500,000 | P 98.59/child immunized |
| Use Mobile Clinics | 45,000 | P5,750,000 | P 127.77/child immunized |
| Use Jollibee Stores | 38,670 | P3,750,000 | P 96.97/child immunized |

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