

Priorities in child health: Extending the EUSCREEN model to Low and Middle Income Countries.

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Priorities in child health care

Cost-effectiveness analysis:

Potentially Transparent and Fair

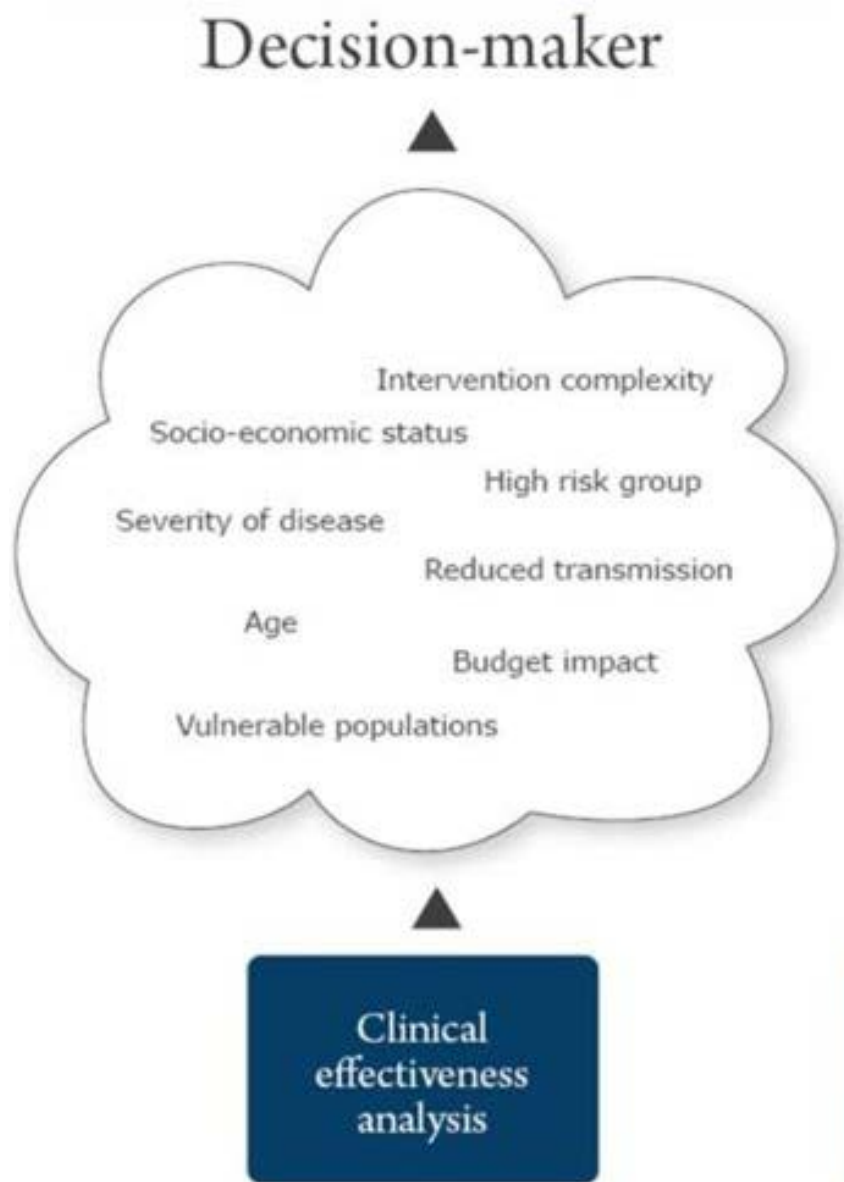
But in reality:

Difficult to transfer

Lack of data

Limited

Baltussen et al, 2016 : “Priority setting is value-based political process”



Priority setting

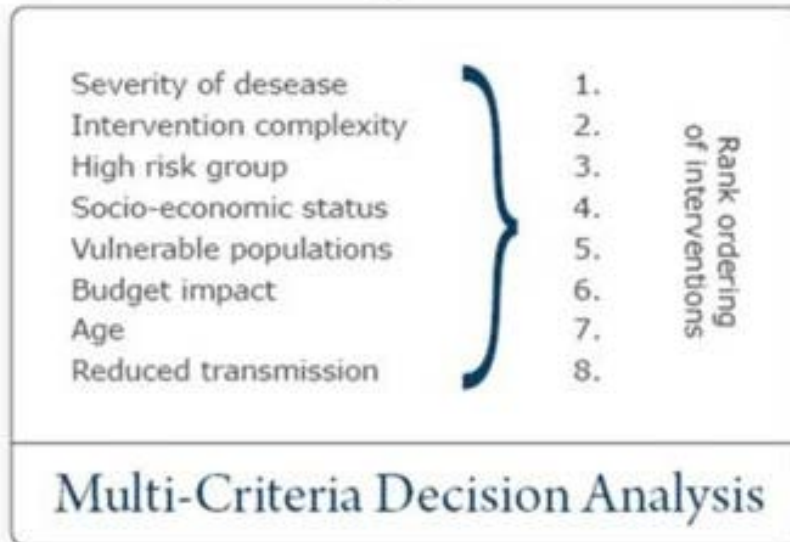
- Multiple criteria
- Complex decisions
- Budget constraints

Decision maker

- Uses intuitive approaches to simplify complexity
- Resulting in ad-hoc process

Decision-maker

Fair process



Rational and fair rationing

- Multi-criteria decision analysis
- Transparent and systematic approach



Baltussen et al, 2006, 2013.

EUSCREEN model extension

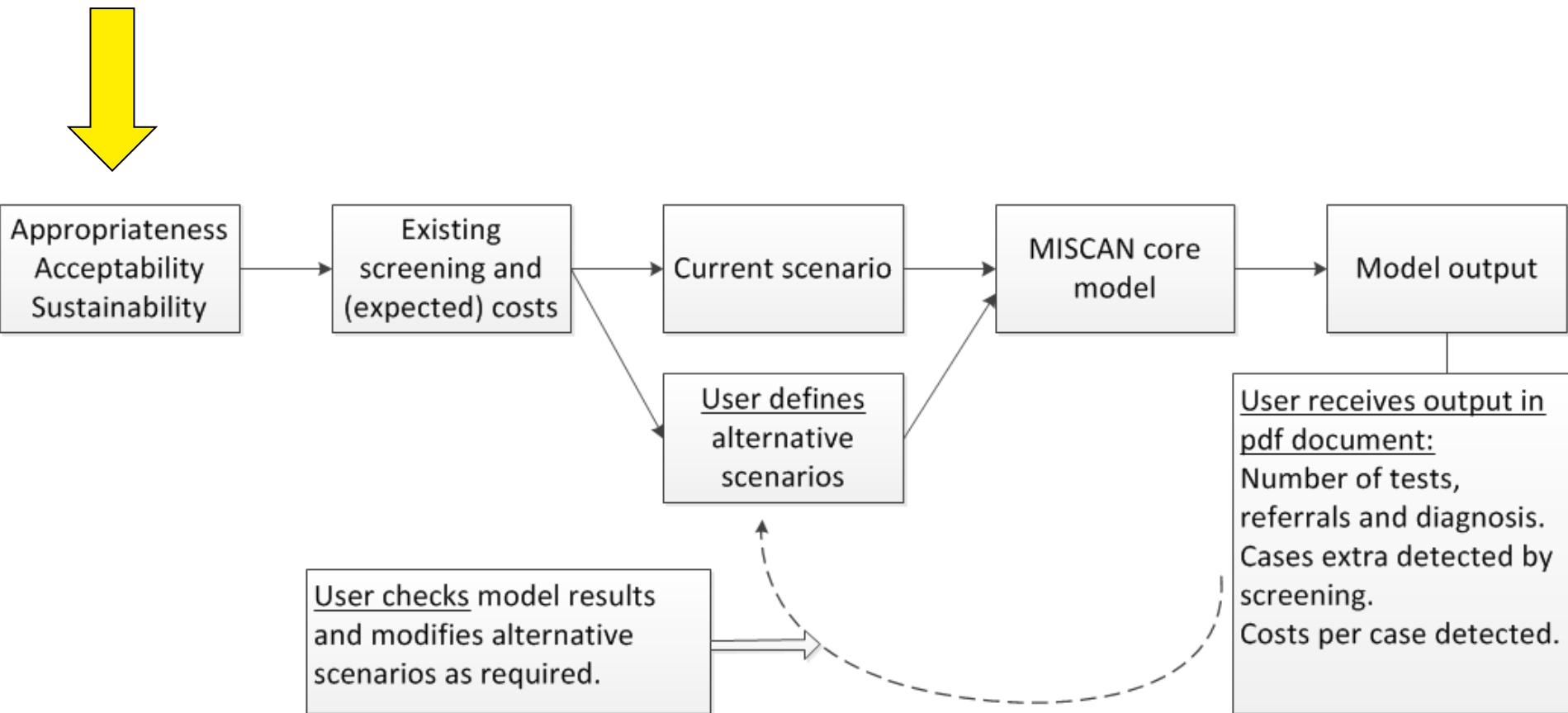
When would a population-based screening programme be an **appropriate**, **acceptable** and **sustainable** intervention?

Standardized indicators:

- Uniformity
- Clarity
- Data transparency
- Widely available



EUSCREEN Webtool model overview



Appropriateness

“The perceived fit or relevance of the intervention in a particular setting”
(Peters, 2013).

- Fulfillment of basic human needs?



Food

Shelter



Safety

Appropriateness – Quick Check

Indicator	Source	Threshold
Prevalence of undernourishment in your country.	SDG indicator 2.1.1	10%
Proportion of urban population living in slums, informal settlements or inadequate housing .	SDG indicator 11.1.1	30%
Number of deaths and missing persons attributed to disasters per 100,000 population.	SDG indicator 13.1.1	5
Number of victims of intentional homicide per 100,000 population.	SDG indicator 16.1.1	30

Acceptability

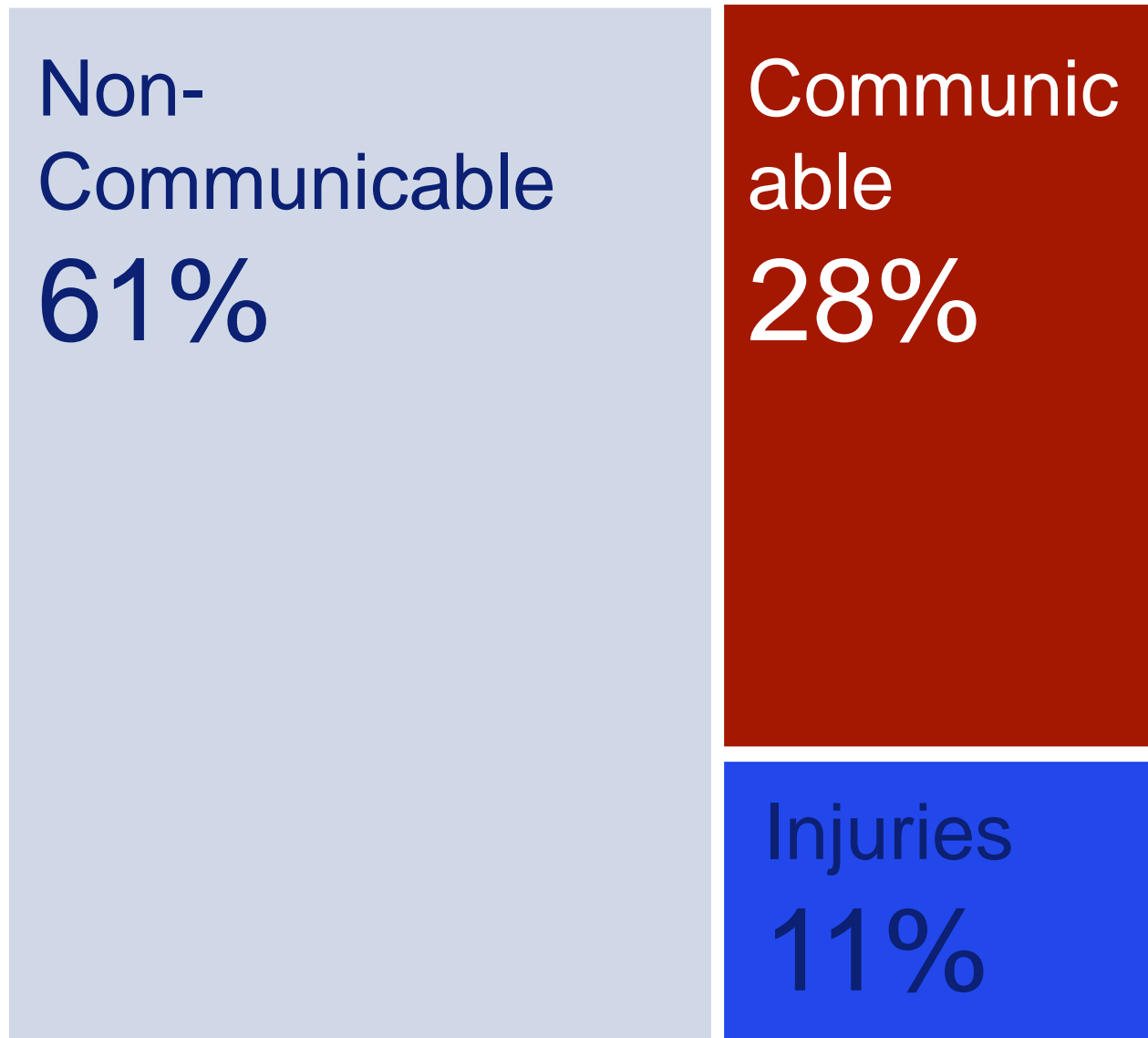
“The perception among implementation stakeholders that a given treatment, service, practice, or innovation is agreeable, palatable, or satisfactory” (Proctor, 2011).

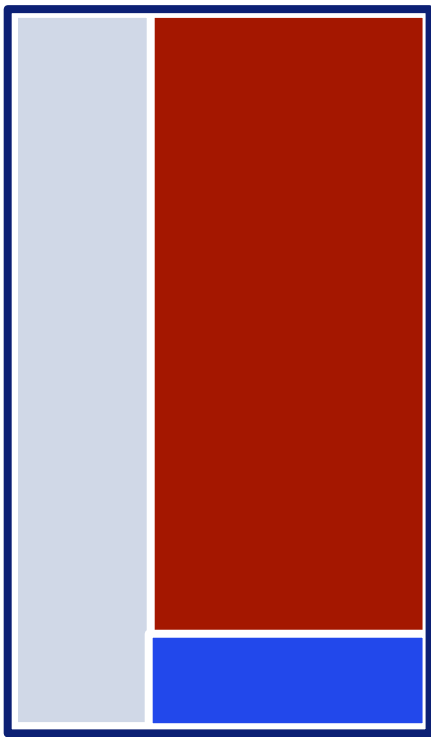
- Other disease priorities?
- Services coverage readiness?

Acceptability – Quick Check

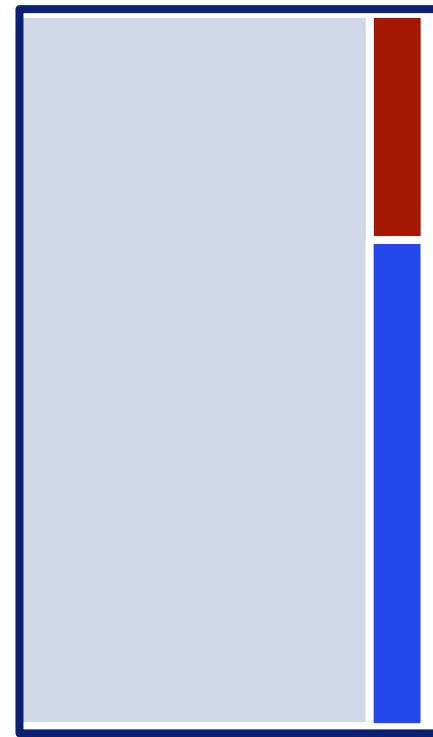
Indicator	Source	Threshold
Under-five mortality rate, both genders	SDG indicator 3.2.1	73 per 1,000
Measles-vaccine first-dose coverage among 1-year-olds	World Health Organization	80%
DTP 3 immunization coverage among 1-year-olds	World Health Organization	80%
Universal Health Care service coverage index score	SDG indicator 3.8.1	Score 45

Global Burden of Disease 2016





**Poorest
billion**



**Richest
billion**

Source: IHME GBD 2017 <http://www.healthdata.org/gbd> Free teaching material from www.gapminder.org

EUscreen
vision & hearing

Erasmus MC
Erasmus

Sustainability

“The extent to which a newly implemented treatment is maintained or institutionalized within a service setting’s ongoing, stable operations” (Proctor, 2011).

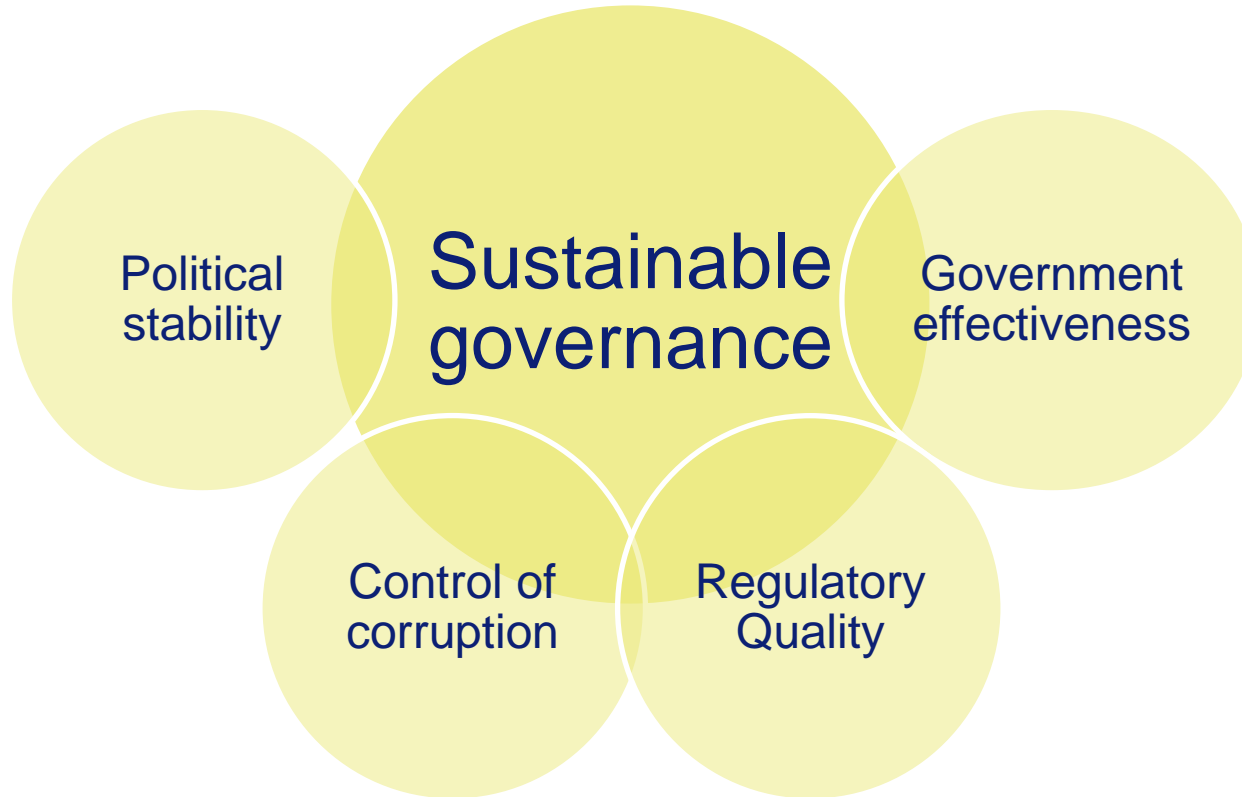
- Governance: The traditions and institutions by which authority in a country is exercised.

Kaufmann, Daniel and Kraay, Aart and Mastruzzi, Massimo. 2010

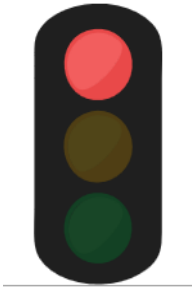
World Governance Indicators

- Perceptions on governance
- Survey respondents, public, private and NGO sector experts
- Covering over 200 countries
- Six aggregate indicators
- Based on > hundred variables
- 31 different data sources
- Score between -2.5 to +2.5

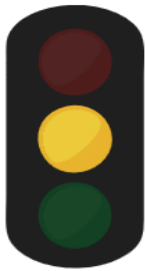
Sustainability – Quick Check



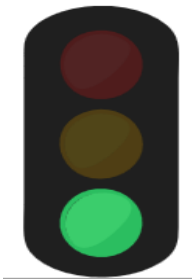
12 indicators: Maximum of 12 points



Total score < 8

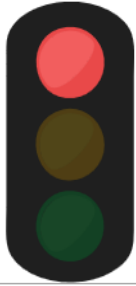


Total score 8 to 10



Total score > 10

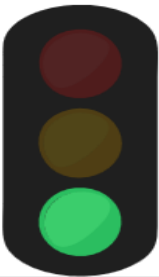
Summarized advice



Implementing child vision or hearing screening may not be appropriate, acceptable and sustainable given the current circumstances in your country/region.



Implementing child vision or hearing screening may be appropriate, acceptable and sustainable if certain preconditions are further developed within the coming years.



Implementing child vision or hearing screening could be appropriate, acceptable and sustainable.

Conclusion

- Current premodule is first version.
- Helps decision-makers with priority setting AND screening programme planning

Future improvements

- Your feedback → Questionnaire Webtool workshop
- Inclusion of more indicators?
- Threshold testing