

Auto-generated report from BCEAweb

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Economic Analysis

This section contains a summary of the economic evaluation.

Cost-effectiveness analysis

This sub-section presents a summary table reporting basic economic results as well as the optimal decision, given the selected willingness-to-pay threshold $k = 25000$.

Cost-effectiveness analysis summary

Reference intervention: Intervention1

Comparator intervention: Intervention2

Optimal decision: choose Intervention1 for $k < 20100$ and Intervention2 for $k \geq 20100$

Analysis for willingness to pay parameter $k = 25000$

	Expected net benefit
Intervention1	-36.054
Intervention2	-34.826

	EIB	CEAC	ICER
Intervention1 vs Intervention2	-1.2284	0.471	20098

Optimal intervention (max expected net benefit) for $k = 25000$: Intervention2

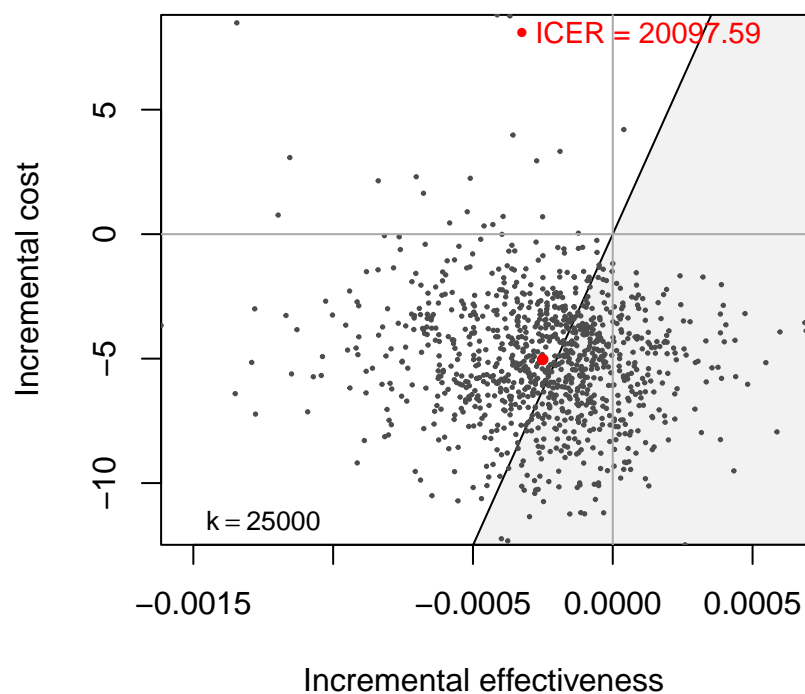
EVPI 2.4145

Cost-effectiveness plane

The following graph shows the cost-effectiveness plane. This presents the joint distribution of the population average benefit and cost differential, (Δ_e, Δ_c) .

Each point in the graph represents a 'potential future' in terms of expected incremental economic outcomes. The shaded portion of the plane is the '*sustainability area*'. The more points lay in the sustainability area, the more likely that the reference intervention will turn out to be cost-effective, at a given willingness to pay threshold, k (in this case selected at $k = 25000$)

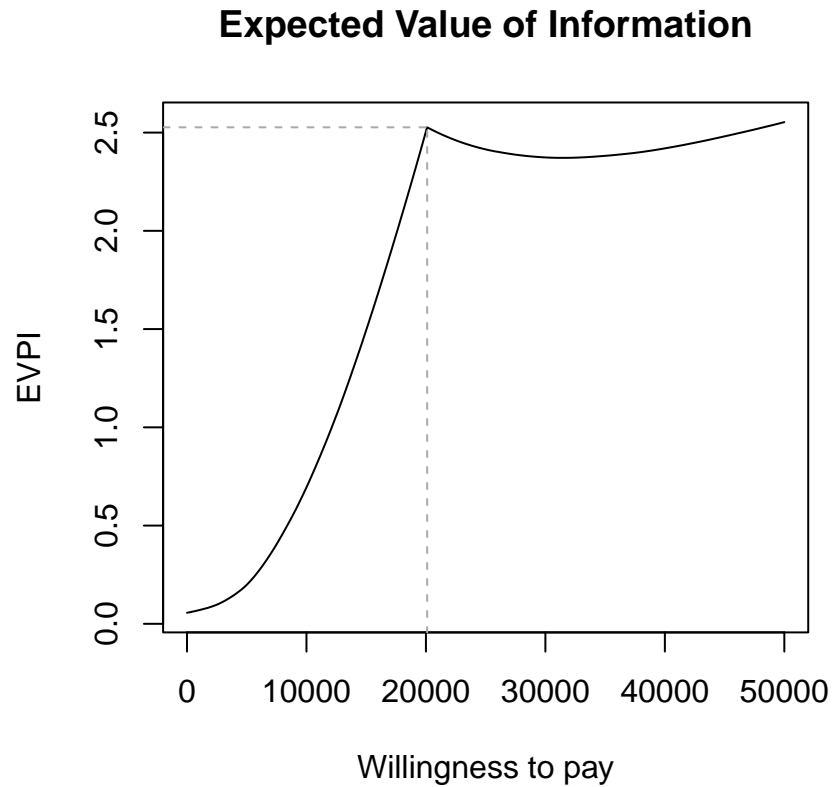
Cost-Effectiveness Plane Intervention1 vs Intervention2



Probabilistic Sensitivity Analysis

This section presents the results of Probabilistic Sensitivity Analysis (PSA). PSA is used to assess the impact of parameter uncertainty on the decision-making process.

Expected value of perfect information



Info-rank plot

This section presents the results of the Info-rank plot. This is an extension of the Tornado plot, which is used to identify the most important parameters. Instead of using deterministic sensitivity analysis, however, the Info-rank plot is based on the analysis of the Expected Value of Partial Perfect Information (EVPPI).

For each parameter and value of the willingness-to-pay threshold k , a barchart is plotted to describe the ratio of EVPPI (specific to that parameter) to EVPI. This represents the relative ‘importance’ of each parameter in terms of the expected value of information.

Info-rank plot for willingness to pay = 20100

