Supplementary material has been published as submitted. It has not been copyedited or typeset by Scandinavian Journal of Urology.

Appendix 2 probabilistic sensitivity analysis

The probabilistic sensitivity analysis (PSA) varied the model inputs using plausible ranges to define probability distributions from which random number draws were used to sample parameters. The PSA was run for 1000 simulations for each country and comparator.

The transition probabilities sourced from clinical trials were modelled using a beta distribution. Where the n values from the source data were known these were used to compute alpha and beta. Where the model input was derived by applying a rate ratio to the input, the confidence interval around the rate ratio was used to generate a log normal distribution was sampled from and these numbers transformed back to the format of the parameter in the model.

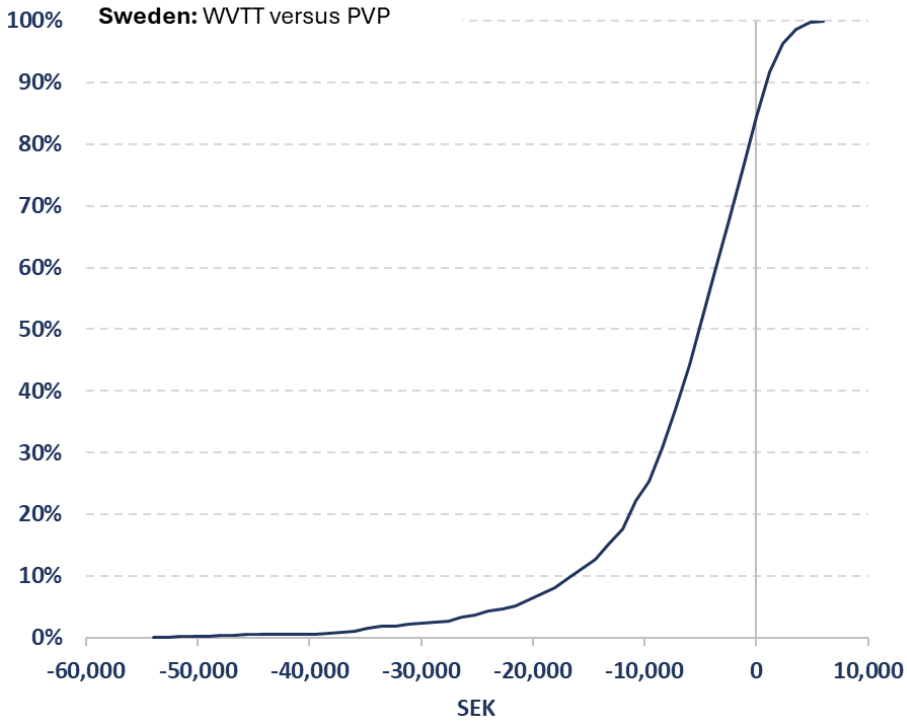
As there was little data informing the uncertainty of the length of stay and operation times, an assumption was made that the 95% confidence interval was bounded by plus or minus 20% of the mean, and a lognormal distribution was used to sample these parameters.

Distributions were applied to cost data using a gamma distribution, with upper and lower bounds calculated as 20% plus or minus the mean.

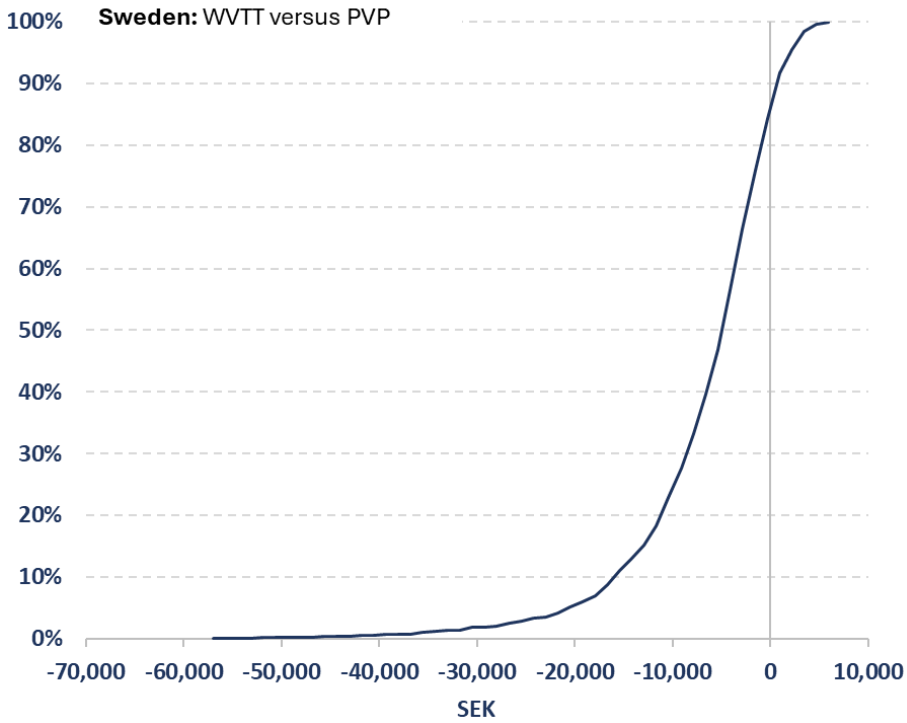
The results of the PSA comparing the cost per patient treated with WVTT to each comparator in 4 settings are reported in table 1 and illustrated in Figures 1-9.

Table 1 Results of probabilistic sensitivity analyses in 4 settings

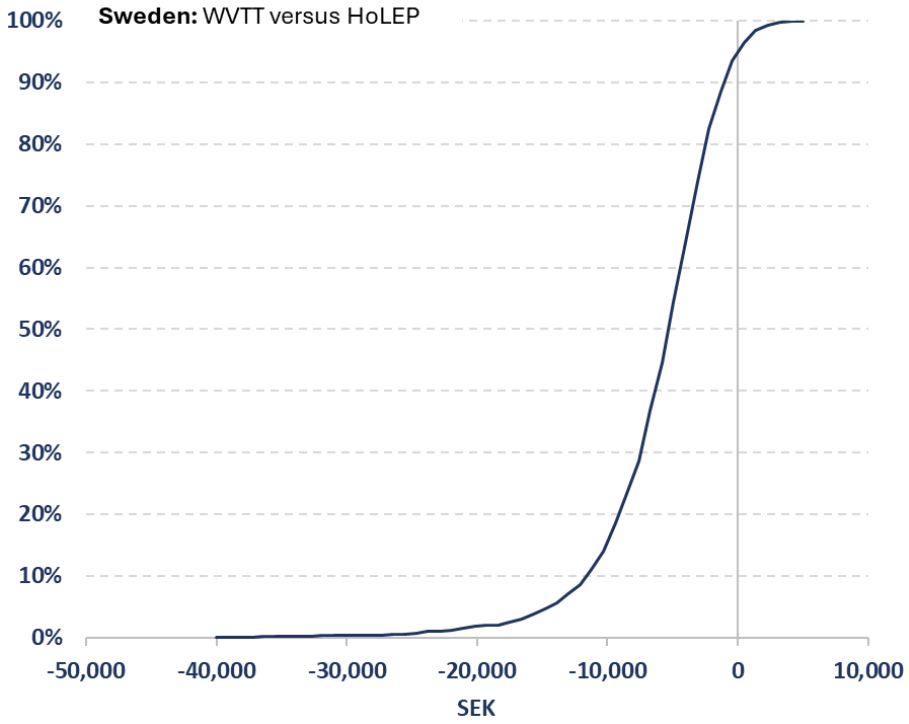
WVTT compared to:	TURP	PVP	HoLEP
	Probability of being cost saving or neutral		
Sweden	78%	91%	96%
Denmark	100%	99%	100%
Norway	99%	86%	100%
Finland	100%	100%	100%



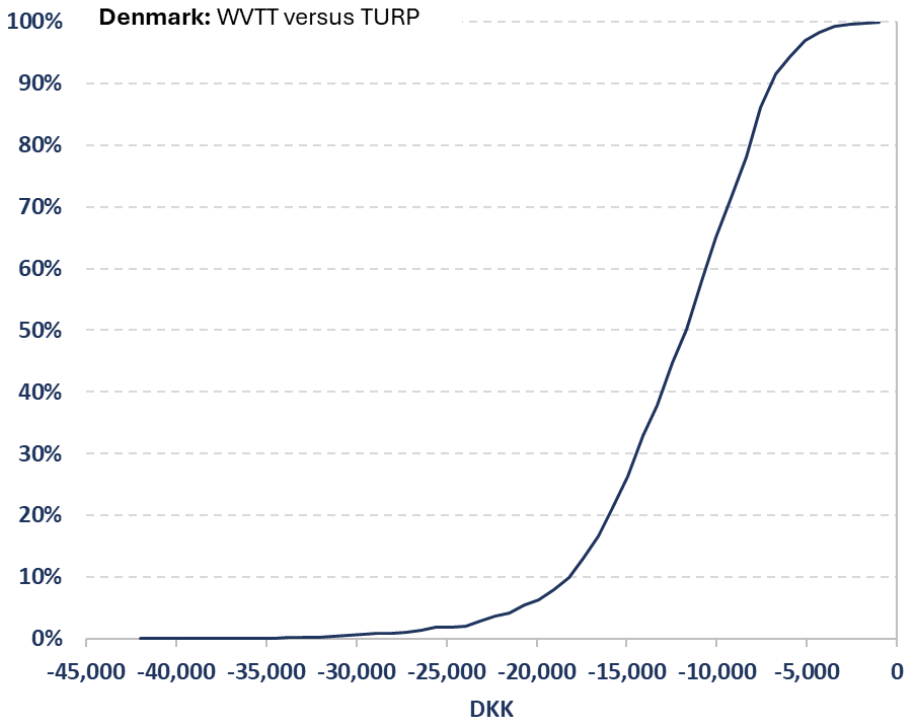
Supplement 2, Figure 1: Sweden, Probability of incremental cost of WVTT versus TURP



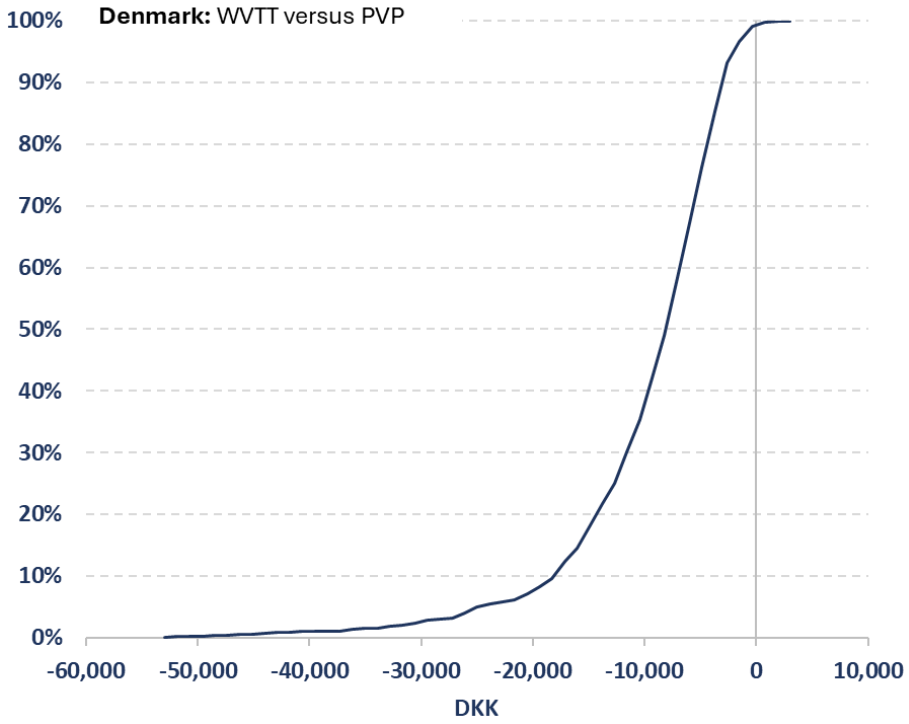
Supplement 2, Figure: 2 Sweden, Probability of incremental cost of WVTT versus PVP



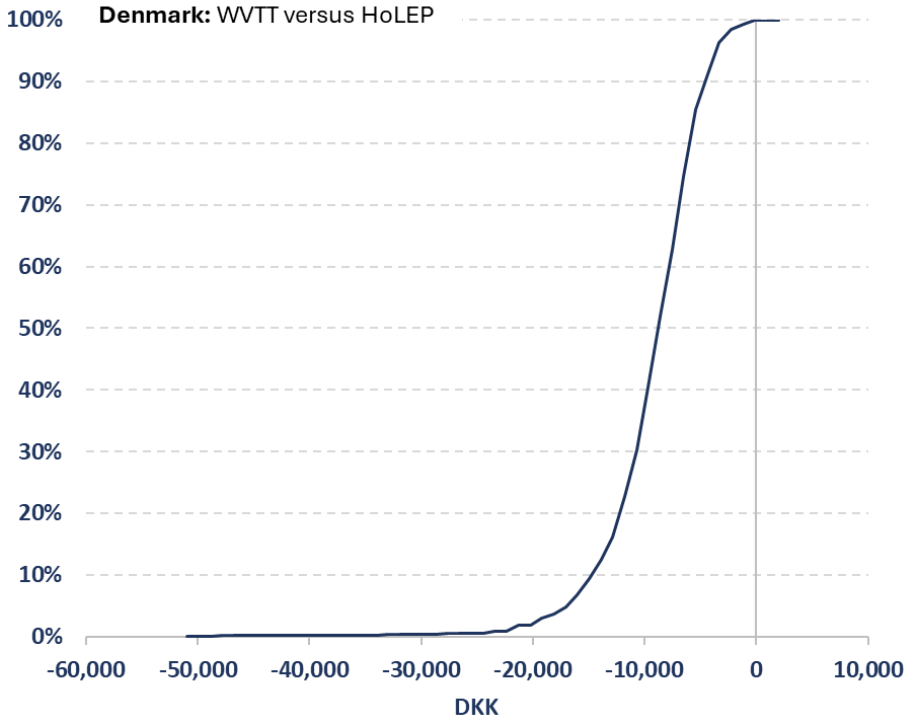
Supplement 2, Figure 3: Sweden, Probability of incremental cost of WVTT versus HoLEP



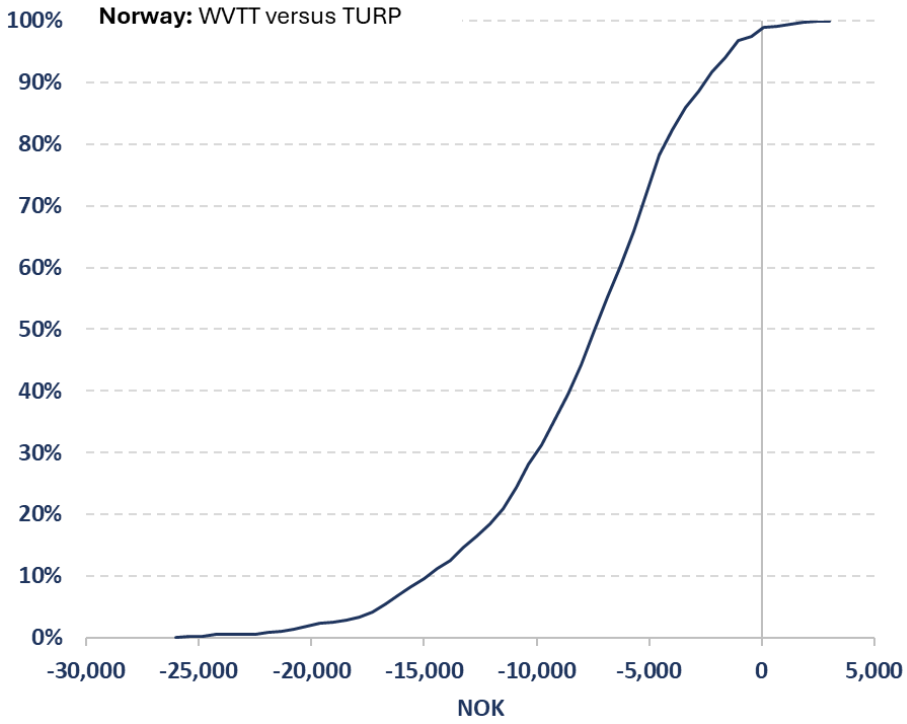
Supplement 2, Figure 4: Denmark, Probability of incremental cost of WVTT versus TURP



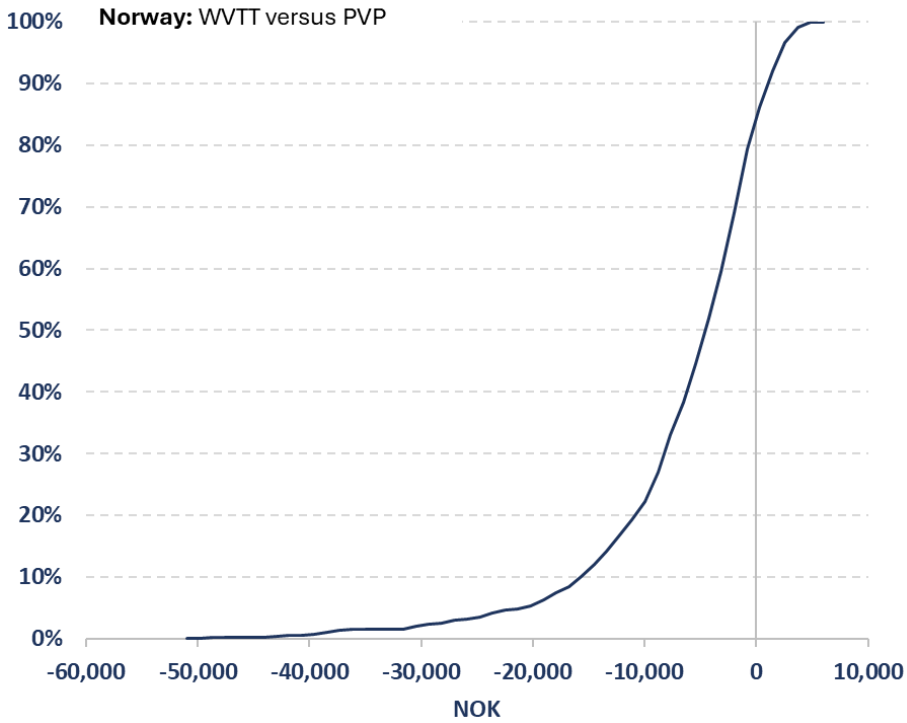
Supplement 2, Figure 5: Denmark Probability of incremental cost of WVTT versus PVP



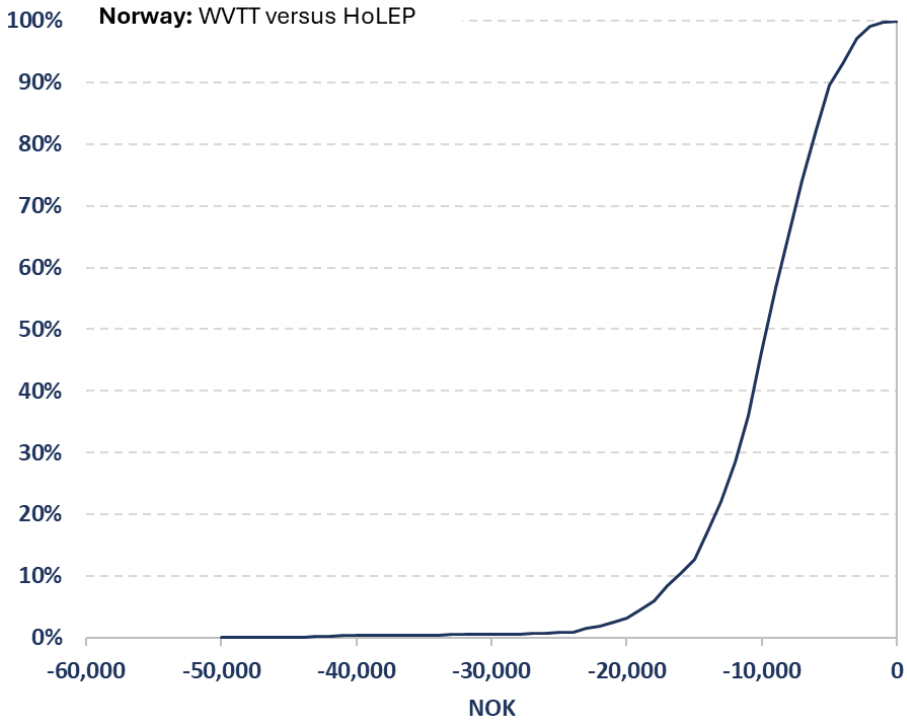
Supplement 2, Figure 6: Denmark Probability of incremental cost of WVTT versus HoLEP



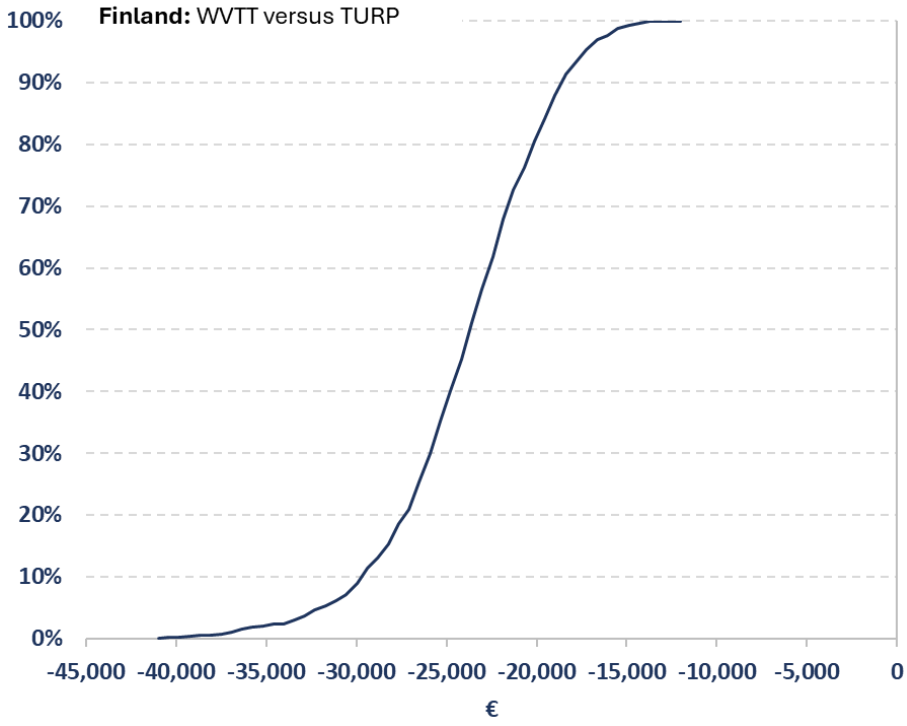
Supplement 2, Figure 7: Denmark, Probability of incremental cost of WVTT versus TURP



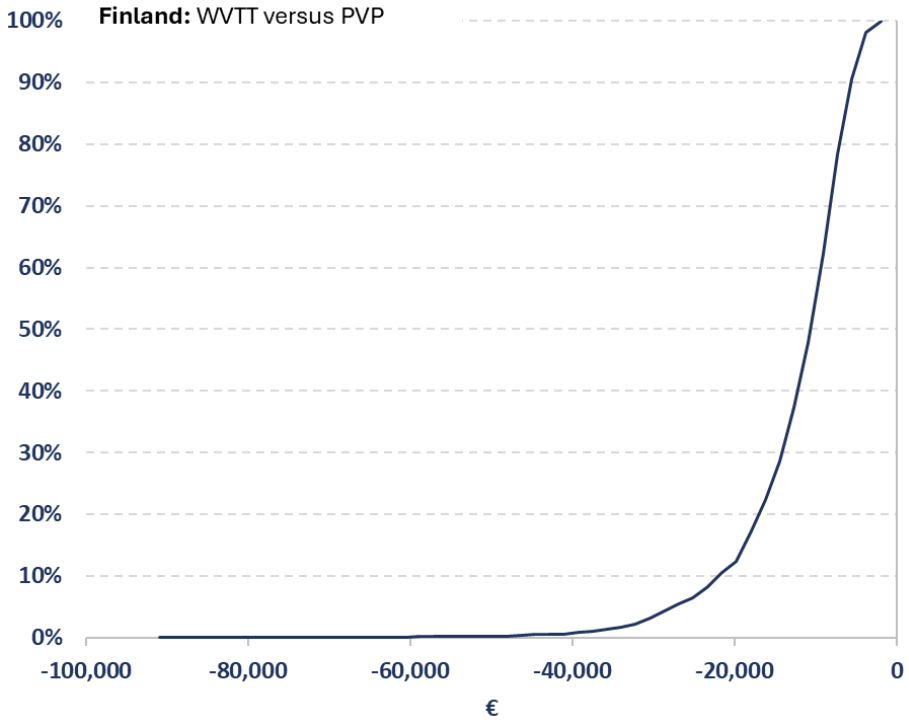
Supplement 2, Figure 8: Norway, Probability of incremental cost of WVTT versus PVP



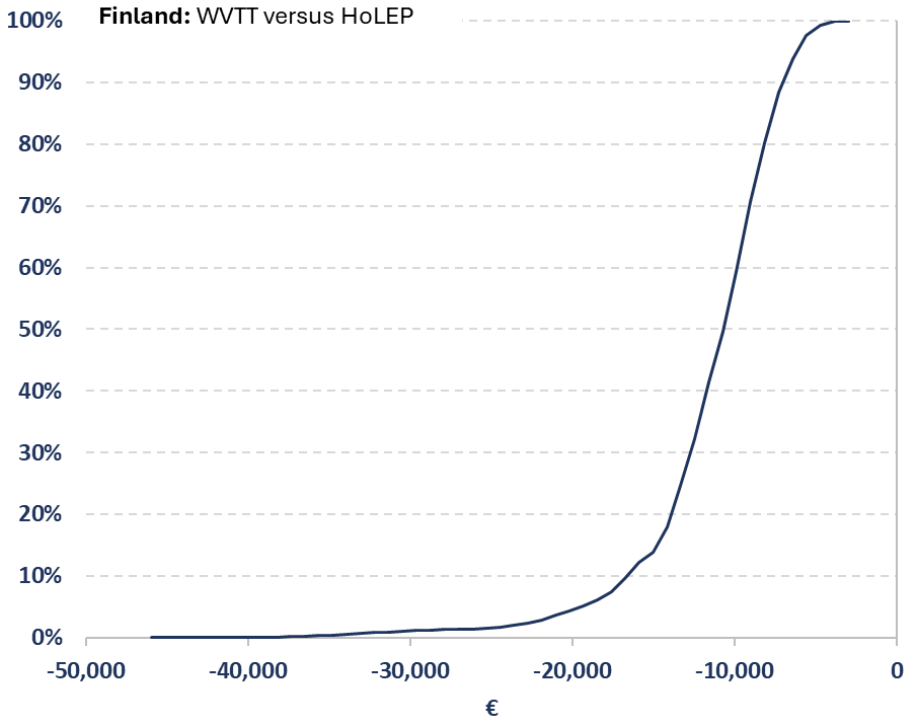
Supplement 2, Figure 9: Norway, Probability of incremental cost of WVTT versus HoLEP



Supplement 2, Figure 10: Finland, Probability of incremental cost of WVTT versus TURP



Supplement 2, Figure 11: Finland, Probability of incremental cost of WVTT versus PVP



Supplement 2, Figure 12: Finland, Probability of incremental cost of WVTT versus HoLEP