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What is sensitivity analysis?

- While economic models are a useful tool to aid decision-making in healthcare, there remain several types of **uncertainty** associated with this method of analysis.
- **One-way sensitivity analysis** allows a reviewer to assess the impact that changes in a certain parameter will have on the model's conclusions.
- Sensitivity analysis can help the reviewer to determine which **parameters** are the **key drivers** of a model's results.
- By reporting extensive outputs from sensitivity analysis, modellers are able to consider a wide range of scenarios and, as such, can increase the level of **confidence** that a reviewer will have in the model.
- **Probabilistic sensitivity analysis** provides a useful technique to quantify the level of confidence that a decision-maker has in the conclusions of an economic evaluation.

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