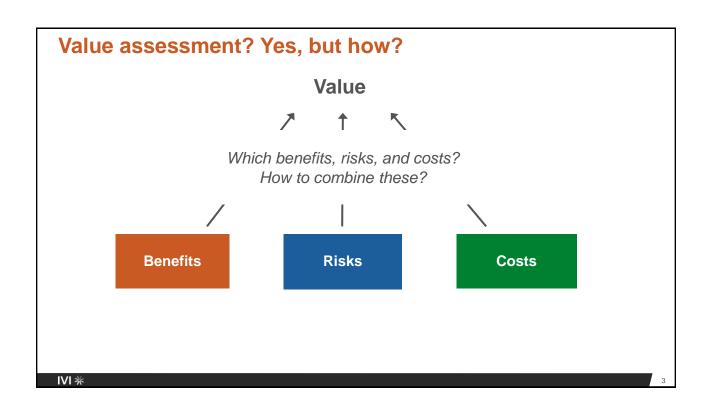


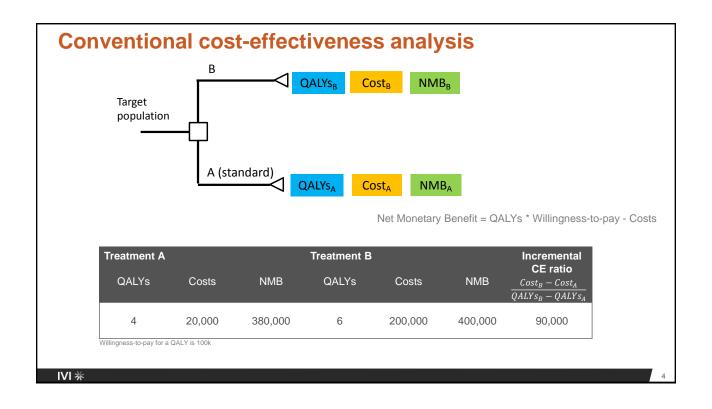
Jeroen Jansen, PhD Innovation and Value Initiative Los Angeles, CA, USA

Novel Approaches to Value Assessment, Within the Cost-Effectiveness Framework

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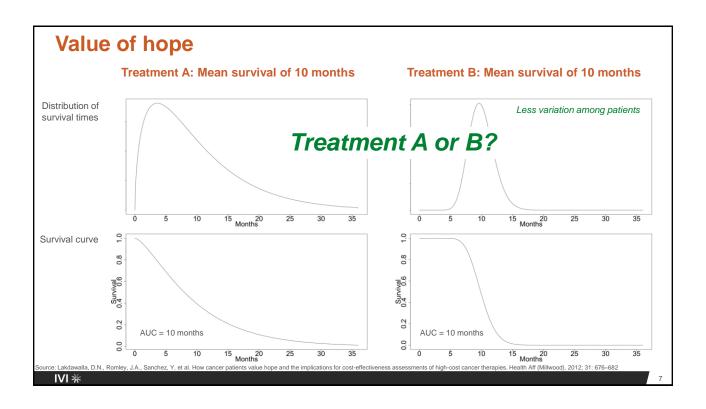
Patient diversity

- > Variation in patient characteristics
- > Heterogeneous treatment effects
- > Heterogeneous preferences

IVI *

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Beyond averages NMB NMB Average 20,000 380,000 6 200,000 400,000 Tx A 380,000 20,000 100,000 300,000 incremental costs 380,000 Tx A 200,000 300,000 400,000 380,000 300,000 400,000 Тх В 600,000 Patient 4 20,000 380,000 200,000 600,000 Value that can be obtained by providing patients the Patient 3 treatment that is on average cost-effective: 400,000 Patient 2 Value that can be obtained by providing patients the Patient 4 440,000 treatment that is cost-effective for that particular individual: Average Patient 1 incremental QALYs Willingness-to-pay for a QALY is 100k IVI *



Value to the healthy

- Cost-effectiveness analyses typically estimate the value of a treatment to patients.
- > However, availability of an efficacious treatment for a specific disease provides some degree of protection against the *physical risk* among healthy individuals at risk for the disease.
- > In addition, an efficacious treatment converts an uninsurable physical risk (getting sick) into an insurable *financial risk*.
- > Together, these two components—physical risk protection and financial risk protection—constitute the "insurance value".

Source: Lakdawalla, D., Malani, A., and Julian, R. The insurance value of medical innovation. J Public Econ. 2017; 145: 94–102

IVI *

How do we implement these concepts in CEA?

What is the impact on estimates of value?

IVI ¾

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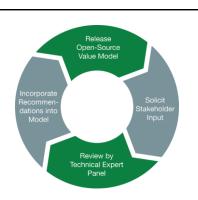
Open Source Value Project (OSVP)

"Open, collaborative, iterative"

Development of flexible open-source models for value assessment

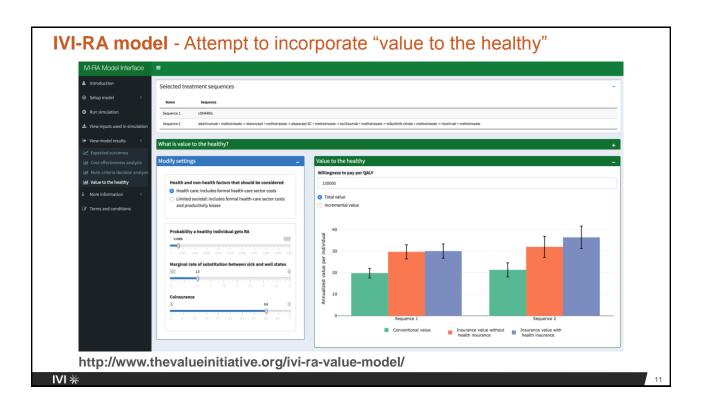


- 1. To enable a more constructive dialogue between stakeholders with different beliefs about relevant clinical data, modeling approaches, and value perspectives
- 2. To provide local decision-makers with means to credible value assessment that reflects the local setting



IVI *

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Conclusion

- > Acknowledge patient diversity
- > Novel and potentially relevant concepts of value have been introduced
- > How to incorporate these in CEA?
- > Flexible open-source models to facilitate iterative development, collaboration, and constructive debate can help getting a better understanding how to incorporate novel concepts of value in CEA and evaluate the impact on estimates of value.

IVI *

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