RTI $(h)(s)$
Health Solutions

(**Knowledge**base)

Q-TWiST
At A Glance
What? How? When? Why?

What is Q-TWiST?

Quality-adjusted

Time

Without

Symptoms of disease or

Toxicity of treatment

Single measure that integrates multiple outcomes: **safety, quality of life and survival**

How to implement Q-TWiST?

Define health states (TOXicity, TWiST, RELapse) → **Partition** survival curves to estimate mean times → **Assign** utility weights and compare groups

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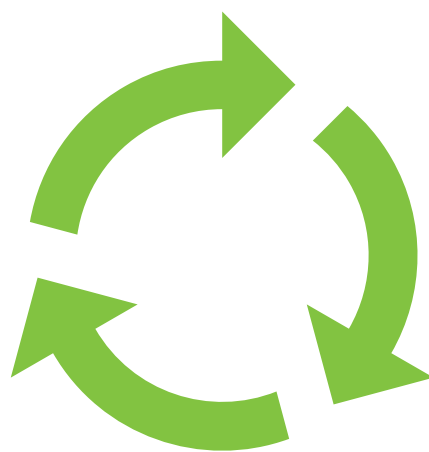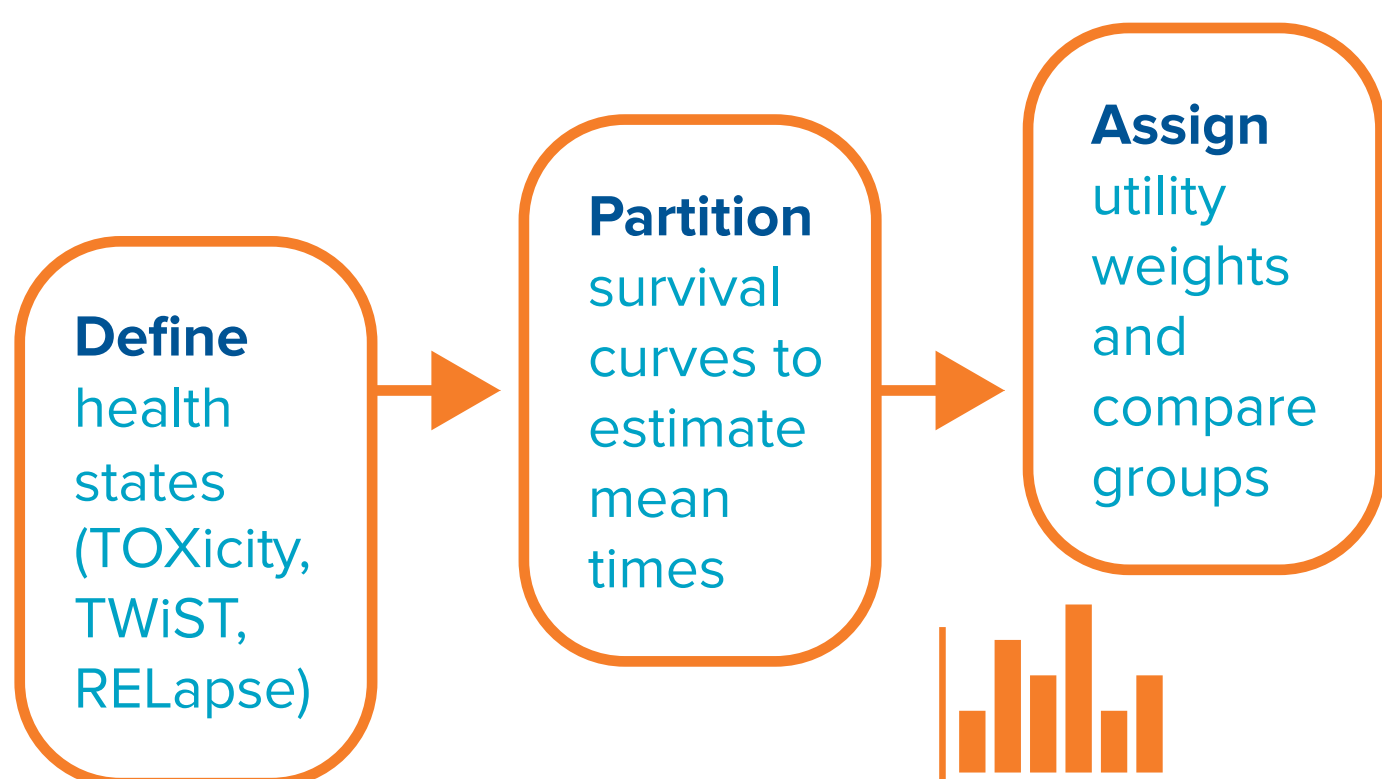
When to use Q-TWiST?

Usually a **post-hoc analysis** for oncology clinical trials

Based on **time-to-event outcomes** (e.g. progression-free survival)

May start as soon as **early survival data is available**
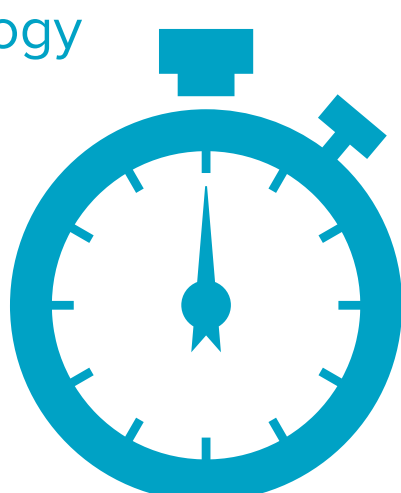
Applicable even if quality-of-life not collected

Why use Q-TWiST?

Provides a **holistic view** of multiple outcomes simultaneously

Weighs **risks and benefits** to patient experience

May be **especially useful** if concerned about adverse events or marginal survival benefit

Opportunity to **fine-tune messages**, adding supportive evidence and publications

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