

Real-Life Usefulness of Standard Economic Evaluation in Health Care

Some Issues with Quality-Adjusted Life Years (QALYs)

Despite an impressive research agenda on preference-based measures of health, there remain:

Methodological Issues¹

"Cardinal utilities" based on Standard Gamble (Neumann-Morgenstern EUT)²

"... consistency with³ Time Trade-Off, Rating Scales, Person Trade-Off?

"... consistency with³ index instruments: HUIS, EQ-5D, SF-36, AQoL, ...?

"... assumptions (constant proportional trade-off, additive separability¹...)?

Normative Issues¹

"Whose preferences should count from which perspective (ex ante / ex post)⁴?

"Aggregation assumptions and derived decision rules⁴?

"A Common Defense¹

"high face validity\* (intuitively appealing), easy to explain

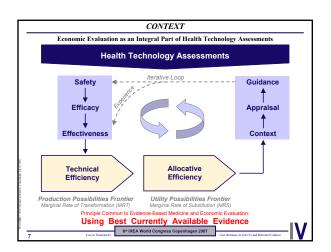
"good enough", "no better alternative", a "pragmatic" workable approach

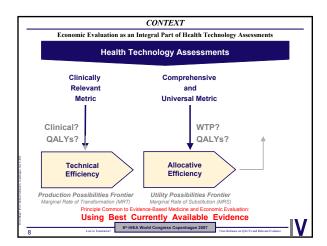
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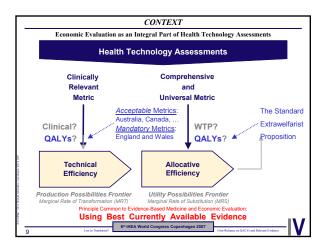
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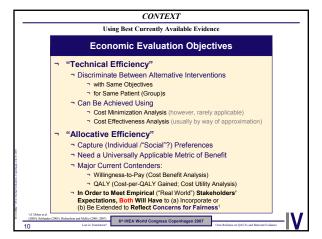
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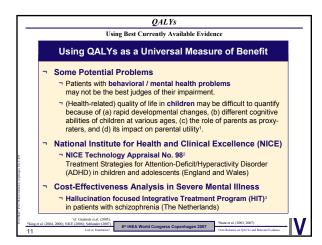
## THE ISSUE Real-Life Usefulness of Standard Economic Evaluation in Health Care Some Issues with Quality-Adjusted Life Years (QALYs) Despite an impressive research agenda on preference-based measures of health, there remain: Methodological Issues' "Cardinal utilities" based on Standard Gamble (Neumann-Morgenstern EUT)² "... consistency with³ Time Trade-Off, Rating Scales, Person Trade-Off? "... consistency with³ Index instruments: HUIS, EQ-5D, SF-36, AOol, ...? "... assumptions (constant proportional trade-off, additive separability'...)? Normative Issues¹ "Whose preferences should count from which perspective (ex ante / ex post)²? "A Common Defense¹ "high face validity" (intuitively appealing), easy to explain "good enough", "no better alternative", a "pragmatic" workable approach "we chamne bac, "I O W Tramaci (TYST) en HEA Werds Congress Copenhagen 2007



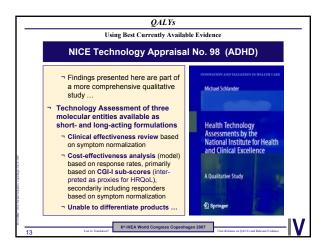


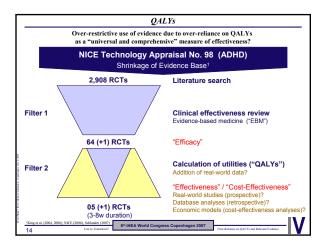


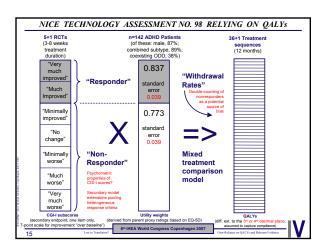


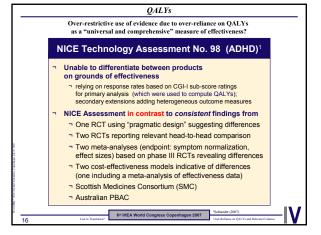


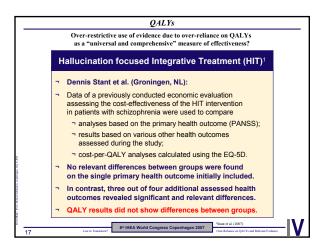
RELIANCE ON QALYS		
NICE Standard: The Reference Case <sup>1</sup>		
	¬ Problem definition	¬ Scope from NICE
	¬ Comparator	¬ Routine therapies in NHS
	¬ Evidence on outcomes	¬ Systematic review
	¬ Economic evaluation	¬ Cost-effectiveness analysis
	¬ Perspective on outcomes	¬ All health effects on individuals
	¬ Perspective on costs	¬ National Health Service
	¬ Discount rate	¬ 3.5% p.a. on costs and health effects
	¬ Addressing uncertainty	¬ Probabilistic sensitivity analysis
	Measure of health benefits	¬ Quality adjusted life-years
S AND W	¬ Source of preference data	Representative sample of the public
Copenhag	¬ Health state valuation method	¬ Choice-based method - e.g. SG or TTO
Mond Solum	<ul> <li>Description of health states for calculating QALYs</li> </ul>	<ul> <li>Using a standardized and validated generic instrument</li> </ul>
1960 (Beef	¬ Equity position	¬ Each additional QALY has equal value
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## **QALYs** Over-restrictive use of evidence due to over-reliance on QALYs as a "universal and comprehensive" measure of effectiveness? Conclusions Alan Williams: "What more could anyone ask for?"1 ¬ NICE has been acclaimed for representing "the closest anyone has yet come to fulfilling the economist's dream of how priority-setting in health care should be conducted."1 ¬ However; "it is not uncommon for an-economist's-dreamcome-true to be seen as a nightmare by everyone else."1 There is reason for exercising caution concerning the generalizability of the QALY approach. ¬ Standard decision rules (derived on the QALY maximization assumption) have been shown to be "empirically flawed"2. ¬ Standardized (QALY-based) analytic approaches may fail to adequately address specific clinical decision problems. ¬ It seems conceivable that the "feasibility argument" in favor of cost-per-QALY analyses may be overstated.3