

A QALY is NOT a QALY when it comes to Health Technology Appraisals of Paediatric Rare Diseases

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BACKGROUND

- The phrase “a QALY is a QALY is a QALY” is often quoted to emphasise that all QALYs are equal regardless of the patient population accruing benefit.
- Consequently, the ICER threshold remains consistent irrespective of the population. However, is a ‘one size fits all’ approach appropriate when appraising paediatric rare diseases?
- Aside from highly specialised technology (HST) appraisals, NICE does not differ its methods and processes depending on the population, meaning paediatric rare populations (where the paediatric indication is the first or only indication to launch) are evaluated equivalently to adult populations.
- As such, there is limited guidance on how to assess paediatric rare populations in health technology appraisals, specifically capturing clinical benefit, patient and carer quality of life, and societal preferences.

OBJECTIVE

- This conceptual poster discusses different approaches to assessing the impact of treatments for paediatric rare diseases on quality of life in children and how to appropriately assess rare conditions via the NICE single technology appraisal (STA) process.

ASSESSING THE IMPACT OF TREATMENTS FOR RARE DISEASES ON QUALITY OF LIFE IN CHILDREN

- The updated NICE manual does not recommend specific measures of health-related quality of life (HRQoL) in children and young people. This poses a number of challenges as outlined below:

Box 1: Challenges for assessing quality of life in children

- NICE recommends the use of a generic measure with good psychometric performance, with the EQ-5D questionnaire preferred despite this not being intended for use in children.
 - The usefulness of generic tools for assessing the impact on rare disease is limited since these will not robustly reflect all relevant aspects of the disease.
 - A number of instruments exist for measuring HRQoL in children but these commonly rely on proxy-reported data.
 - A lack of a UK value set for paediatric HRQoL instruments makes it challenging to generate utility values for economic evaluations of treatments for paediatric rare diseases.
- It was acknowledged in the NICE appraisal of risdiplam for the treatment of spinal muscular atrophy (SMA) (TA755) that there is not an ideal source of utilities that robustly reflects the differences in HRQoL between motor milestones in people with SMA.
 - This is being addressed during the period of managed access for risdiplam - the approach being taken for collecting appropriate health state utility values (Figure 1) can serve as a conceptual framework for generating HRQoL evidence for paediatric rare diseases.

Figure 1. Conceptual framework for generating HRQoL evidence for paediatric rare diseases

