EVENT BASED ANALYSIS FOR ECONOMIC ANALYSIS: SENSIBLE RESPONSE TO REDUCE NOISE OR DANGEROUS VIOLATION OF THE RANDOMISATION PRINCIPLE?

Starting Points

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Trial-based economic evaluation and policy

• Using trials as a vehicle for economic evaluation has been widely used

• Extensive development of methods over last 15 years
  – Uncertainty
  – International trials

• More recently, increased use of economic evaluation in policy
  – Critical assessment of adequacy of methods
Strengths of trial-based economic evaluation

- High internal validity
- Statistical advantages of individual-patient data
- Trials are widely understood
Weaknesses of trial-based economic evaluation

- Typically follow-up ≠ appropriate time horizon
- Fails to include all relevant comparators
- Often excludes relevant evidence
- May fail to reflect heterogeneity

More widespread use of decision models as framework for economic evaluation for decision making
Trials vs. models – is there a middle way?

- Some degree of dichotomy between trials and models as a vehicle for economic analysis
- Is there a middle way?
- Event-based modelling (statistical modelling of trial data) has this potential
- But is it a step forward?
The debate

The case for… Andrew Briggs
Lindsay Professor of Health Policy & Economic Evaluation, University of Glasgow

The case against… Henry Glick
Leonard Davis Institute of Health Economics, University of Pennsylvania School of Medicine