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Affordability – When is it a Concern?

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Expanding the Measure of Value: Implications for Thresholds, Budgets and Affordability

- Measuring secondary benefits beyond QALYs (e.g. insurance value) is often suggested to support use of a higher threshold K
- But if secondary benefits are measured for drugs, they must be measured for all other goods and services, health and non-health
- Expanding the measure of value could raise or lower K* (the threshold cost per expanded QALY), if B is fixed
 - All services have more "value" => the cut-off may have to be lower
- Expanding measure of value may not support a higher health Budget
 - Non-health goods (the opportunity cost of health spending) also have secondary benefits



2. Very Low Volume/Very High Price: Orphan Drugs

- 1984 Orphan Drug Act (ODA): statutory R&D incentives for orphan drugs
 R&D tax credits
 - 5 year market exclusivity, etc.
- Informally, orphan drugs get significantly higher prices than non-orphans
 ROI for orphan drugs now higher than non-orphans (*Evaluate Pharma*)
- ODs raise affordability concerns: ODs now account for 30-40% of NDAs

Should Volume – Blockbuster or Orphan -- Be Considered in Value Assessment?

- An inverse price/volume relationship cannot be rationalized if price is based on Value
- An inverse price/volume relationship might be rationalized if price is based on Costs, and some costs are fixed (invariant to patient volume)
 - E.g. Drug discovery costs may be quasi-fixed
 - But FDA adapts trial size and other regulatory requirements to reflect patient volume etc. => total R&D costs pre-tax are not fixed
 - Even before ODA's extra tax credits and exclusivities
- Incorporating Volume into Value frameworks lacks theoretical and empirical support, for either blockbuster or orphan drugs

Conclusions

- Affordability implies a relationship between Budget and Threshold K
- Expanded value measurement for drugs may not justify a higher K
 - Consistency requires expanded value measurement for all goods and services....and resources are fixed
- Unaffordability appears related to volume: blockbusters and orphans
- Unaffordability of high volume/high price drugs is usually transitory
 - Budget impact dissipates, once accumulated patient stock is treated
- Incorporating high/low volume in value assessment for pricing raises unresolved theoretical + empirical issues
 - Should cost assessment be included with value assessment? Why? How?
 - More research required