

DCE duration values for EQ-5D-5L: old and new



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Aims

In 2014 this team reported DCEduration results that were much lower than TTO results; with state 55555 for instance valued at -1.5. This poster reports our later DCE duration results highlighting differential elements in the methods

Available datasets

Table 1. Initial and later datasets

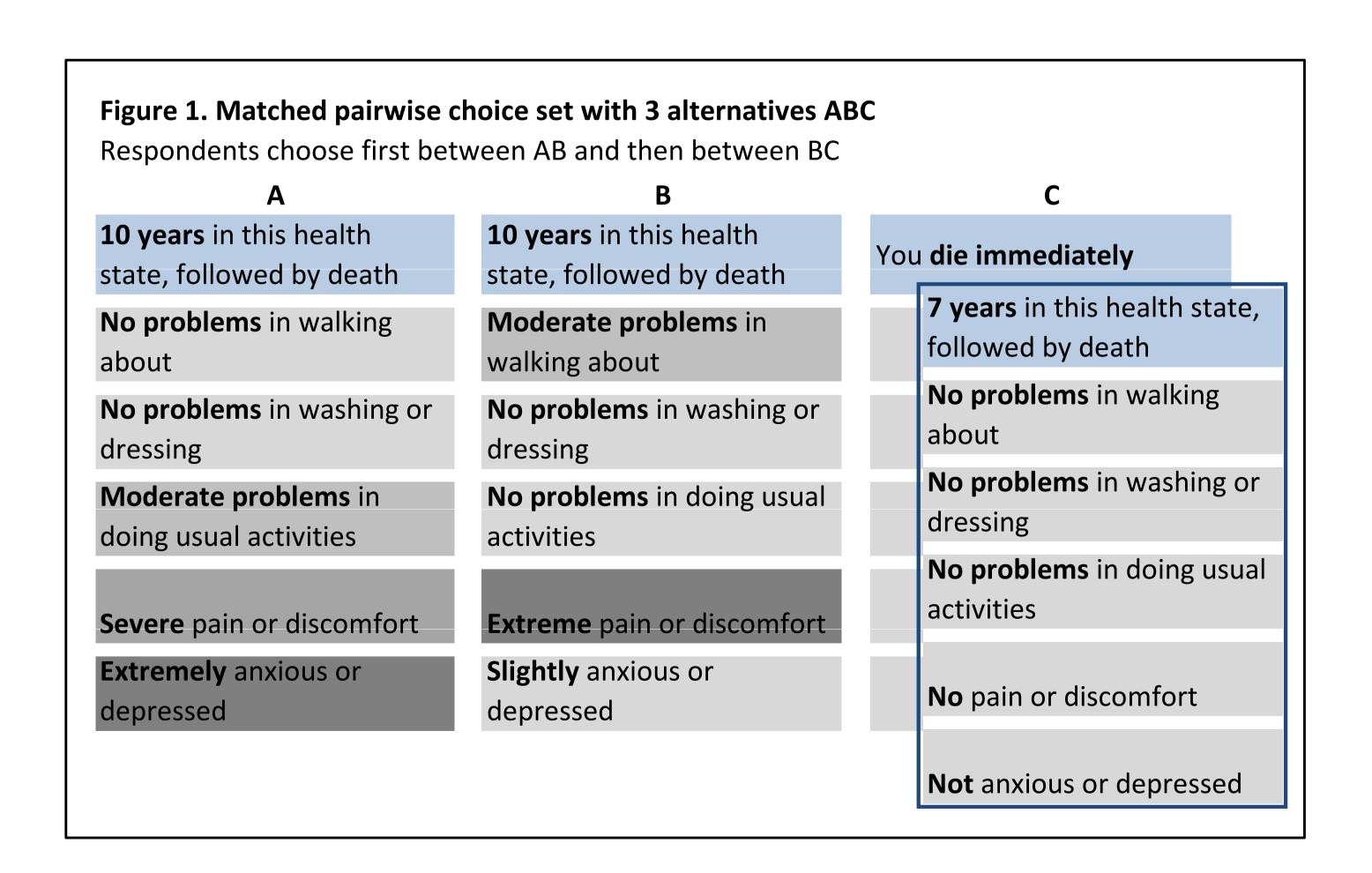
Table 1: Illitial alla later datasets				
	DCE			latent
	duration	DCEdead	TTO	scale DCE
2014: online, first attempt	788		-	-
2015: online, jointly optimized	300	300	-	-
2016: f2f administration DCE'15	400	400	200	-
2016: online, QALY balanced	500	500	-	500

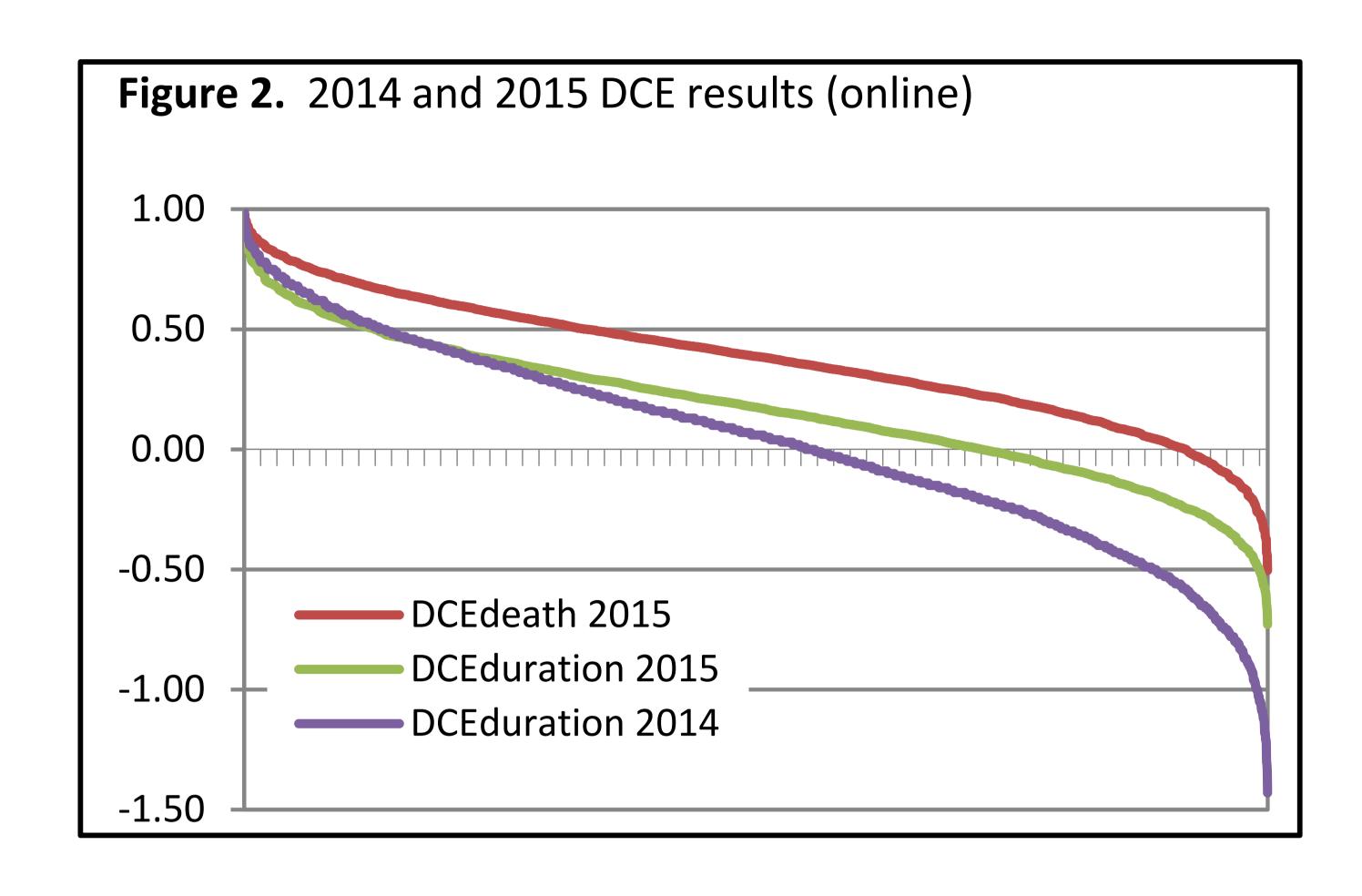
2014: DCEduration, using matched pairwise choices, fig 1. Comparing two EQ5D5L states first (AB) and then B to C (t yrs in full health, t<10).

2015: DCEduration and DCEdead, using a design that was jointly optimized for both tasks, allowing use of the same EQ5D5L states, regardless of "C" refering to death or full health.

2016: TTO, DCEduration and DCEdead: 800 people participating in a TTO exercise also administered the 2015 DCEdead or DCEduration survey, in face to face interviews.

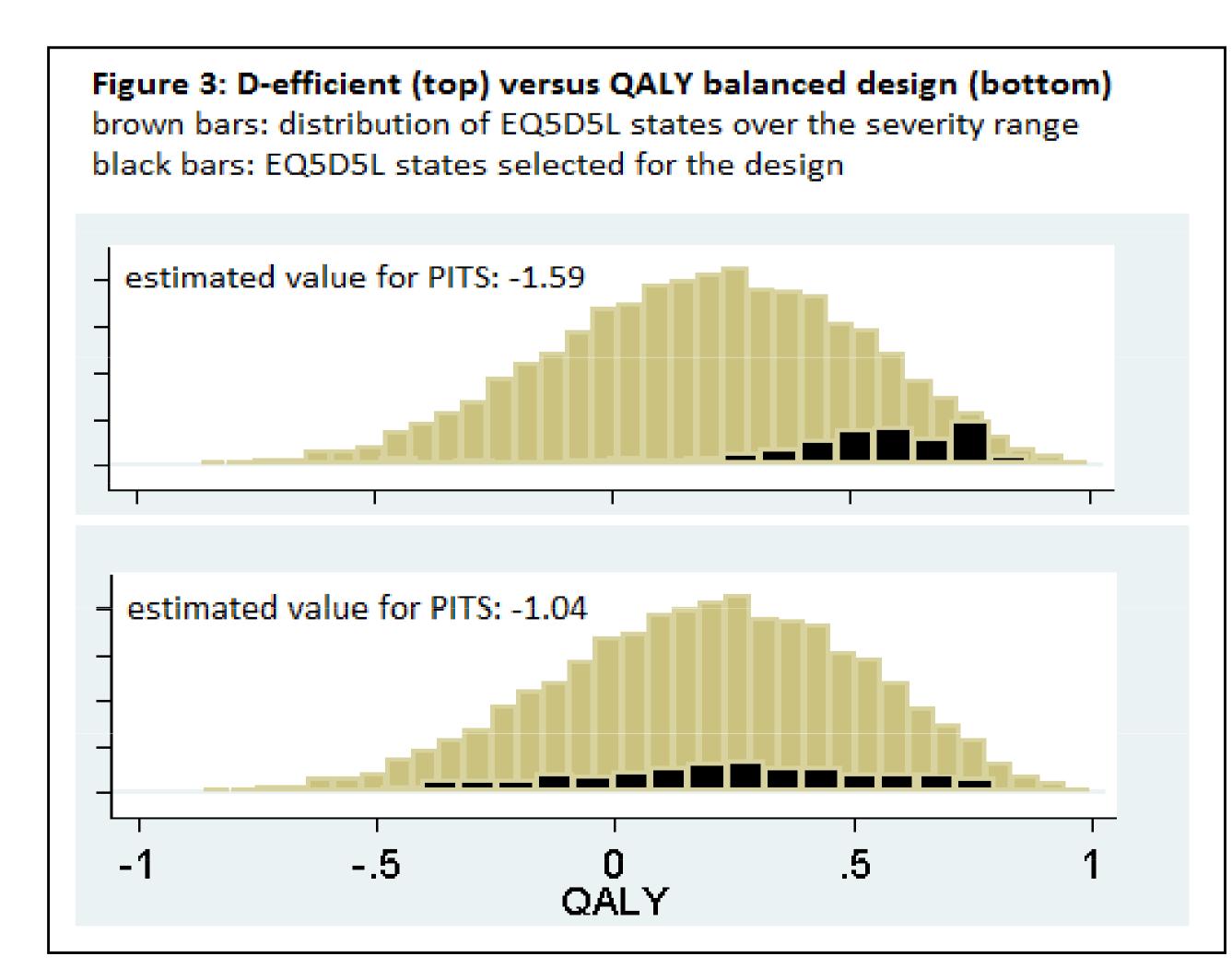
2016: QALY balanced design project Comparing D-efficient designs to designs created by selecting AB from severity strata (fig 2) for DCEdead, DCElatent scale, and DCEduration.





Results

- 2015 *DCEduration* values were much higher than *DCEduration* valuescale DCE the design strategy standard or QAY balanced had no impact.
- In the face to face 2016 study, differences between DCEduration, DCEdead, and TTO were reconciled.
- Face to face administration of the 2015 DCE gave the same results for DCE duration, but lower values s obtained in 2014 (fig 2).
- The 2016 QALY balanced project showed that this was —at least in part- an artifact of the D-efficient design not covering the severity range well (fig 3).
- In DCEdead and latent for DCEdead that did not differ from DCEduration.



Conclusion

1) Reconciling differences between DCEduration, DCEdead and TTO seems possible. 2) DCEduration seems vulnerable to extrapolation problems, both in the severity domain (this study) and in the duration dimension (Craig et al). In moving forward we should investigate what conditions provide stable results. 3) We need to advance with caution when including a dead alternative with DCEduration pairs and investigate the impact of mode of administration.