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Novel Approaches to Value Assessment, Within the Cost-Effectiveness Framework

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## Extending the scope of patient reported outcomes and QALYs

Professor Nancy Devlin Office of Health Economics

ISPOR Summit, Washington October 19<sup>th</sup> 2018. Novel approaches to value assessment within the cost effectiveness framework

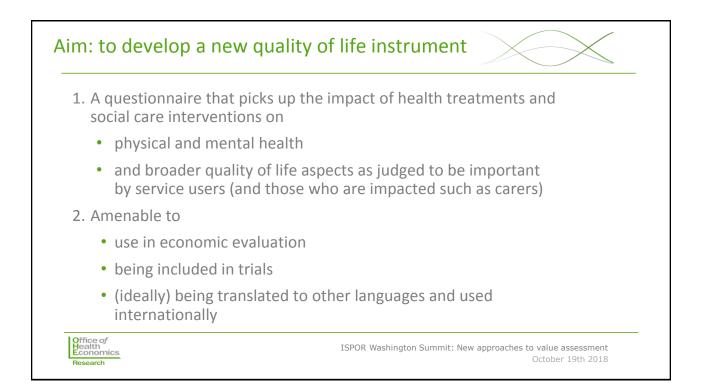


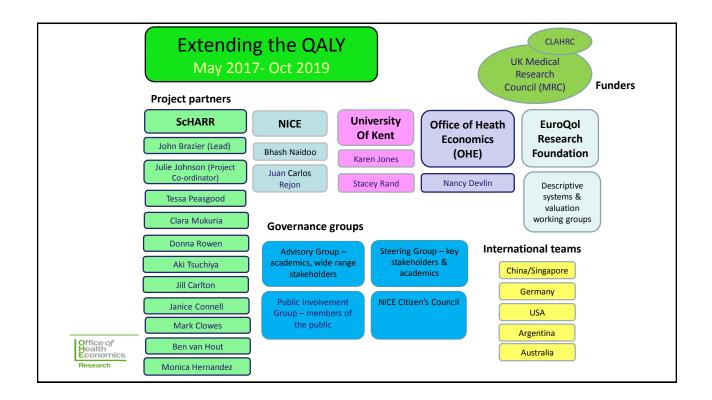
<ul> <li>Health re</li> </ul>	ated quality of life (HRQoL	)
• What is	health related', and what isn't?	
0	l evidence on extent to which s vider impacts (productivity; inc	0
By conver patients	tion, analysis focuses on H	RQoL and QALYs of
	y, carers and others also impace and positive externalities)	ted by illness and treatment
	health and health care miss from <i>social care</i> needs and	
	from <i>social care</i> needs and	1

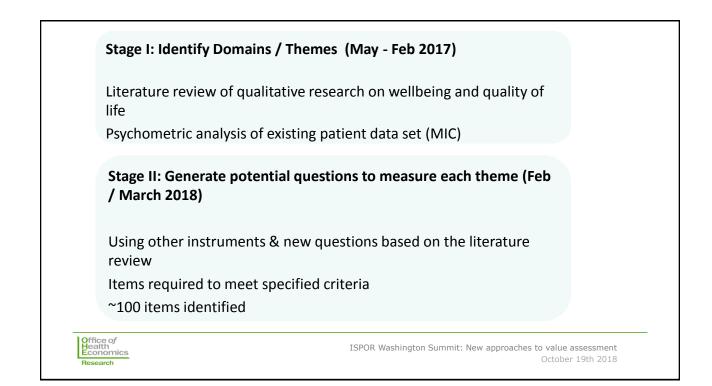
Utility and	income/pro	oductivity			
	Do respondents consider lost income when valuing he states? (mixed evidence)			COST- EFFECTIVENESS	
	es individual lost ind (probably not very	come reflect societal v well)		IN HEALTH AND MEDICINE SECOND EDITION	
		idered, potential for el: capture 'pure' effe		Peter J. Neumann, Gillian D. Sanders, Louise B. Russelt, Joanna E. Slegel, and Theodore G. Ganiats	
	Do Utility Values Reflect Lost Opportunity Cost Of Work Lo K. Fist M. Kohl G. Ball K. Kneel G.J. Acosta M.G. 3 Open Arthive X PlanX Merics	ss?	1	ue in Health 4, June 2013, Pages 581-587	
Do Utility Values Reflect Lo Opportunity Cost Of Work I K. Fast. M. Kohl, G. Ball, K. Kawai, C.J. Acosta, M.J. Open Archive & PlanX Mercia	.oss?		Preference-Based Assessments QALY and Productivity L "Double Counting"	oss: Empirical Evidence for	
Oper Archive - Primit Metrica DOI: https://doi.org/10.1016/j.ted/2014.03.952 Bit Article Info Abstract Full Text		ISPOR Washington	Takeru Shirowa PhD <sup>1</sup> & ≅, Takashi Fukudi MD, PhD <sup>3</sup> <b>≅ Show more</b> https://doi.org/10.1016/j.jval.2013.02.009 Under an Elsevier user license	a PhD <sup>1</sup> , Shunya Ikeda MD, PhD <sup>2</sup> , Kojiro Shimozuma Get rights and content open archive	

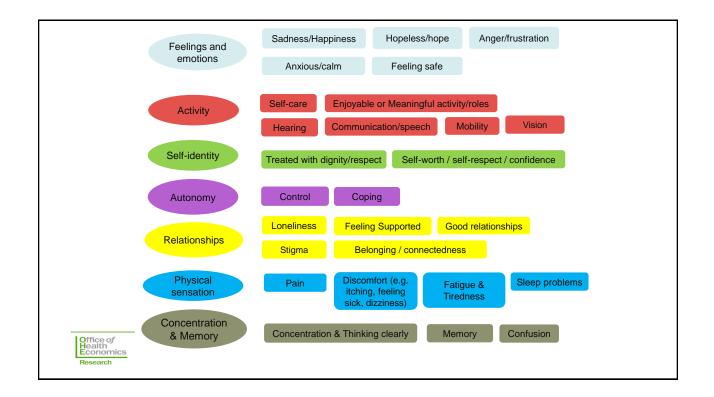
By convention, based on <u>a</u> public	verage stated pre-	ferences of the general
• Who is the general public?		
• Average value of people or v	value of the average	person?
<ul> <li>preferences (eg Sweden's</li> <li>But are 'patients' a homoge</li> <li>Brouwer and Versteegh (20)</li> <li>Reconciling systematic diffe</li> <li>Fundamental questions abo</li> </ul>	neous group? <u>16): both</u> perspective rences?	es are relevant. ocative efficiency; opportunity
cost.		













## Stage III: Face Validation Interviews (March - Aug 2018)

Aim:

- · check interpretation of items
- · explore alternative wording and response options
- · identify embarrassing items

Interviews in England (n=45) (social care users, carers & patients).

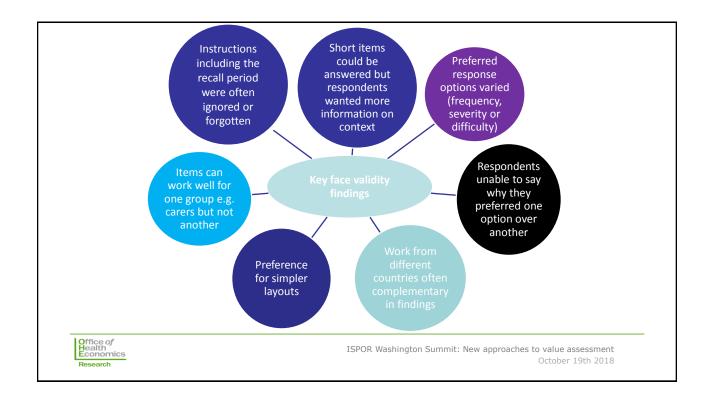
Repeated in 5 other countries

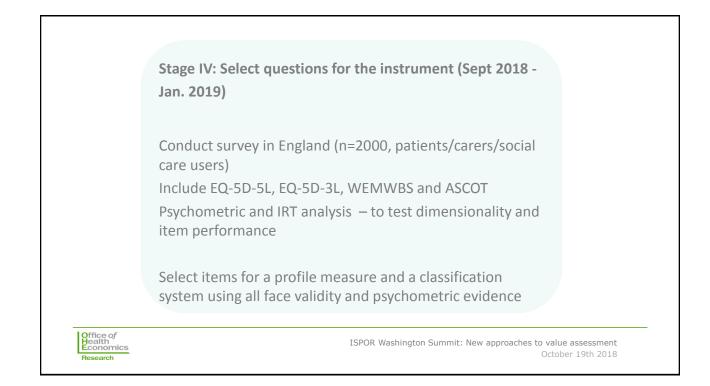
• China, Germany, Australia, Argentina, USA

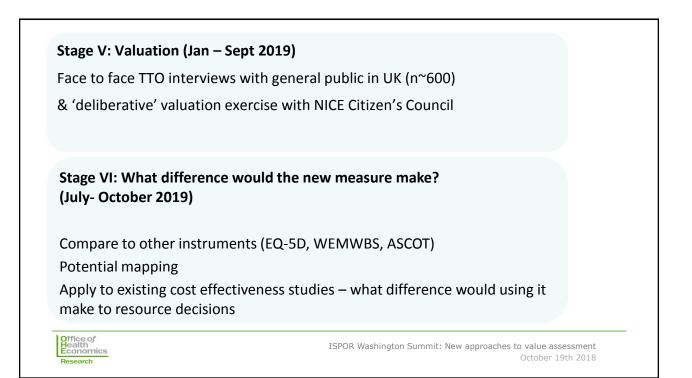
Select and refine questions for psychometric survey in England (~70 items)



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## **Concluding remarks**

- The QALY and existing measures of HRQoL can be extended in various ways to capture problems and outcomes not conventionally taken into account
- There is also scope to incorporate, more systematically, patients' preferences regarding HRQoL into HTA (although issues remain about how best to do that)
- If the E-QALY is measuring different things, that will also have implications for an (E-) QALY-based threshold
- Ultimately, there is a limit to what can be included within the QALY other considerations are already taken into account in HTA alongside QALYs. Not *whether* to consider other factors but *how best* to do that.



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