

IMPACT HTA | WP5

Exploring health preferences on different sub-population groups using EQ-5D

Context and Objective

- In the context of economic evaluation, generic preference-based health-related quality of life (HRQoL) instruments that have value sets available are needed for the calculation of quality adjusted life years (QALYs).
- There is an ongoing discussion on the most appropriate reference population to obtain health state preferences which are the basis of value sets.
- WP5 aimed to explore health state preferences of different sub-population groups using EQ-5D instruments and to develop value sets for EQ-5D-Y.

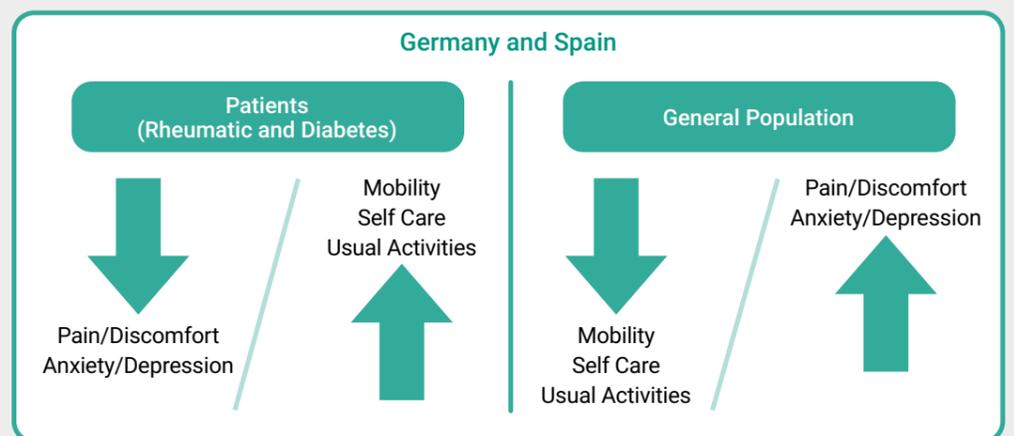
Methods

- EQ-5D-5L health state preferences were obtained from discrete choice experiments (DCEs) with rheumatic and diabetic patients in Germany and Spain using an online panel and these patient preferences were compared to those of the adult general population.
- Further, online DCEs were used to obtain health state preferences from adults of the general population valuing health states of a 10-year-old child and from adolescents valuing health states for themselves in Germany, Slovenia and Spain. Preferences of both groups were compared and EQ-5D-Y value sets were developed based on the health state preferences of the adult general population.

Results

1 Patient vs. General Population Preferences

In Germany and Spain, patient preferences differ from those of the general population as patients gave more importance to the EQ-5D-5L dimensions mobility, self-care, or usual activities (functional dimensions) and less importance to pain/discomfort and anxiety/depression (symptomatic dimensions) than the general population.



Results

2 Adult vs. Adolescent Preferences

In terms of EQ-5D-Y health state preferences, the overall relative importance of health dimensions was almost similar between adults and adolescents; Slovenian and Spanish adolescents gave more importance to mobility than adults.

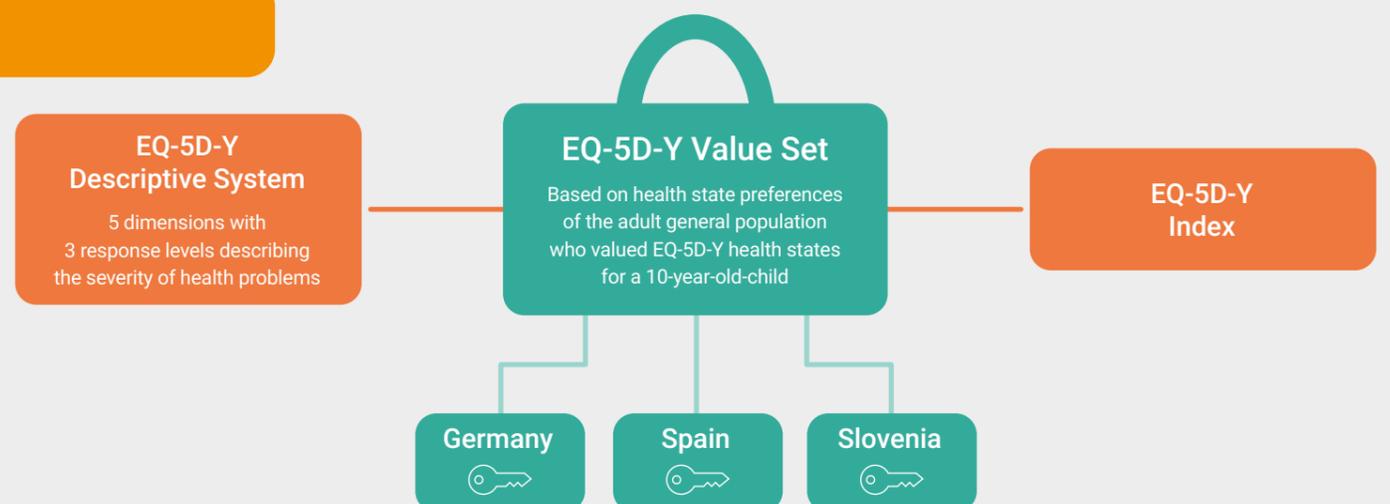
In the rank-order of the dimension level combinations, slight differences were observed between adults and adolescents in Germany, Slovenia and Spain.

Order of relative importance of EQ-5D-Y dimensions	Germany		Slovenia		Spain	
	EQ-5D-Y health state preferences					
	Adults	Adolescents	Adults	Adolescents	Adults	Adolescents
	Anxiety/depression	Anxiety/depression	Pain/Discomfort	Pain/Discomfort	Pain/Discomfort	Pain/Discomfort
	Pain/Discomfort	Pain/Discomfort	Anxiety/depression	Anxiety/depression	Anxiety/depression	Anxiety/depression
	Usual activities	Usual activities	Usual activities	Mobility	Usual activities	Mobility
	Mobility	Mobility	Mobility	Usual activities	Mobility	Usual activities
	Self care	Self care	Self care	Self care	Self care	Self care

Results

3 EQ-5D-Y Value Sets

EQ-5D-Y value sets for Germany, Slovenia and Spain were developed.



Policy implications

- WP5 contributes to and informs the ongoing discussion on whose preferences should be the basis of HRQoL instruments' values sets and, further, developed three EQ-5D-Y value sets that enable the instrument's use in economic evaluations from now on.

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