



HEIDELBERG
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CLINICAL PHARMACY



Development of a Core Outcome Measurement Set (COMS) for community pharmacist-led medication review studies: Preliminary findings

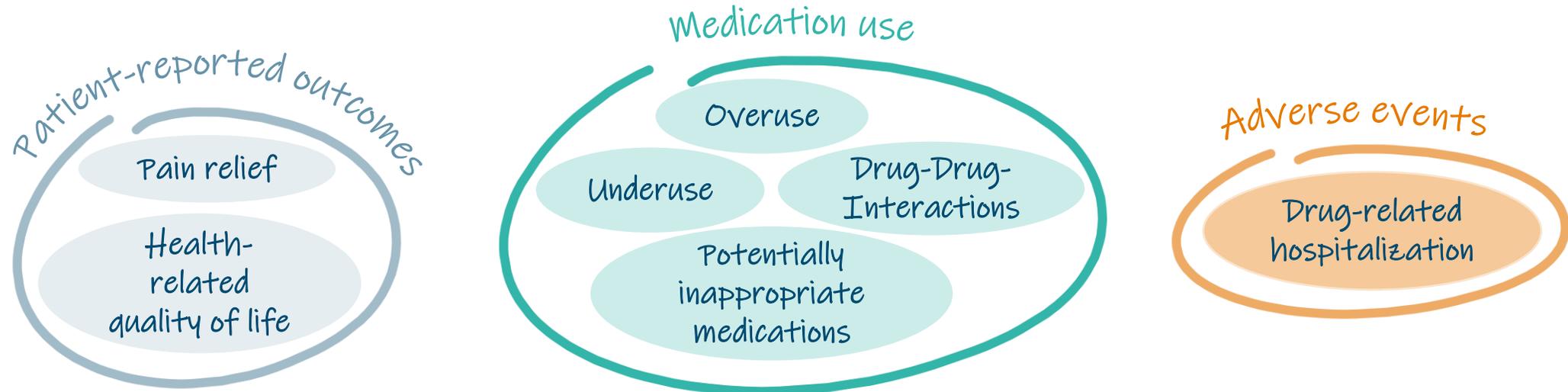
Vogt CJ^①, Eickhoff C^①, Foulon V^②, Hughes C^③, Kessler J^①,
Kwint HF^④, Lea M^⑤, Paul C^①, Ryan C^⑥, Schulz M^①, Teichert M^④,
Woltersdorf R^①, Wurmbach VS^①, Seidling HM^①

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Background & Objective

- Medication review studies differ in the types of outcomes measured
- To harmonize outcome reporting, a Core Outcome Set (COS) was developed in 2018



To use the COS purposefully, it must be operationalized.

Development of a Core Outcome Measurement Set (COMS) using the example of Health-related quality of life

1) Identify candidate instruments

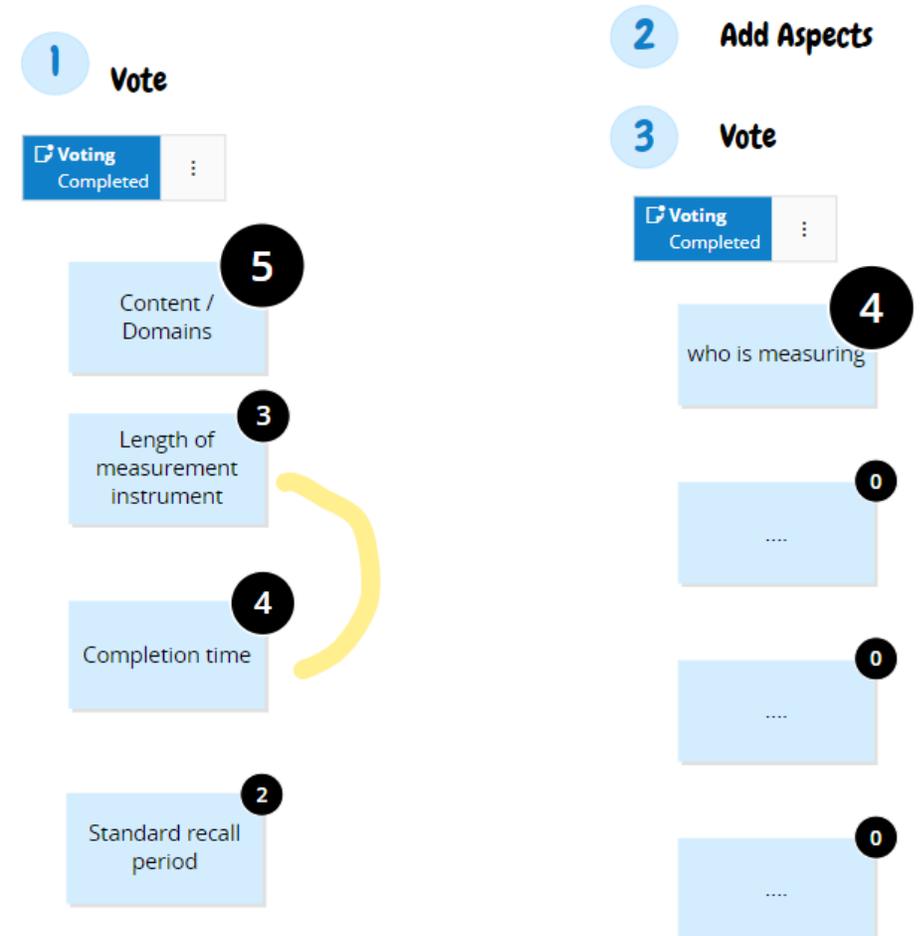
2) Define aspects that are relevant for the instrument selection

>> Group of 10 international experts

>> 2 x 2 hours online workshops with 5 experts each

>> Vote on the relevance of content and feasibility aspects for instrument selection

Vote aspects relevant for instrument selection



Development of a Core Outcome Measurement Set (COMS) using the example of Health-related quality of life

Basic characteristics			Design				Validation / use				Administration					Terms of use			
Akronym	Full Name	Year of first publication	No. of items	No. of domains	Levels of answers	Standard recall period (in days)	Validated in general	Validated in aged persons	Validated in polypharmacy	Used in community pharmacist-led medication review studies	Approximate time to complete (in minutes)	No. of different responders	Modes of administration	Required equipment	No. of known translations	Availability of normative data	Availability of a manual	Terms of use	Cost (in Euros)
			Green: Lowest value [5] Red: Highest value [45]	Green: Lowest value [4] Red: Highest value [15]	Green: Highest value [6] Red: Lowest value [2]	Green: Highest value [28] Red: Lowest value [1]	Green: Yes Grey: Not found	Green: Lowest value [2] Red: Highest value [20]	Green: Highest value [3] Red: Lowest value [1]	Green: Highest value [4] Red: Lowest value [1]	Green: No Red: Yes	Green: Highest value [180] Red: Lowest value [3]	Green: Yes Red: No	Green: Yes Orange: Upon request Grey: Not found	Green: Free use Orange: Registration needed Red: Licensed	Green: Free Red: Cost Grey: Not found			
15D	15D instrument of health-related quality of life	1993	15	15	5	1	Yes	Yes	Not found	Not found	5	3	2	No	32	No	Not found	Free Use	0
AQoL-4D	Assessment of Quality of Life (AQoL)-4D Basic	1998	15	4	4	7	Yes	Yes	Not found	Not found	2	3	3	No	5	Yes	Not found	Free upon registration	0
AQoL-6D	Assessment of Quality of Life (AQoL)-6D	2012	20	6	6	7	Yes	Not found	Not found	Not found	3	3	3	No	4	Yes	Not found	Free upon registration	0
AQoL-7D	Assessment of Quality of Life (AQoL)-7D	2005	26	7	6	7	Yes	Not found	Not found	Not found	4	3	3	No	4	Yes	Not found	Free upon registration	0
AQoL-8D	Assessment of Quality of Life (AQoL)-8D	2008	35	8	6	7	Yes	Not found	Not found	Not found	5	3	3	No	5	Yes	Not found	Free upon registration	0
DHP	Duke Health Profile	1990	17	11	3	7	Yes	Yes	Not found	Not found	5	2	2	No	21	No	Available upon request	Licensed	Not known
EQ-5D-3L	EuroQoL Five Dimensions 3L	1990	5	5	3	1	Yes	Yes	Yes	Yes	2	3	4	No	180	Yes	Yes	Free upon registration	0
EQ-5D-5L	EuroQoL Five Dimensions 5L	2011	5	5	5	1	Yes	Yes	Yes	Yes	2	3	4	No	150	Yes	Yes	Free upon registration	0
HUI-2	Health Utilities Index-2	1996	15	6	5	28	Yes	Yes	Not found	Not found	10	3	2	No	37	No	Yes	Licensed	\$6,000 USD for a single research project
HUI-3	Health Utilities Index-3	2002	16	8	6	28	Yes	Yes	Not found	Not found	10	3	2	No	37	No	Yes	Licensed	\$6,000 USD for a single research project

Development of a Core Outcome Measurement Set (COMS) using the example of Health-related quality of life

- 1) Identify candidate instruments
- 2) Define aspects that are relevant for the instrument selection
- 3) Pre-select instruments
- 4) Vote and endorse the final COMS

