

#### Including patient preferences and patientreported outcomes in global development programmes, submissions and labels

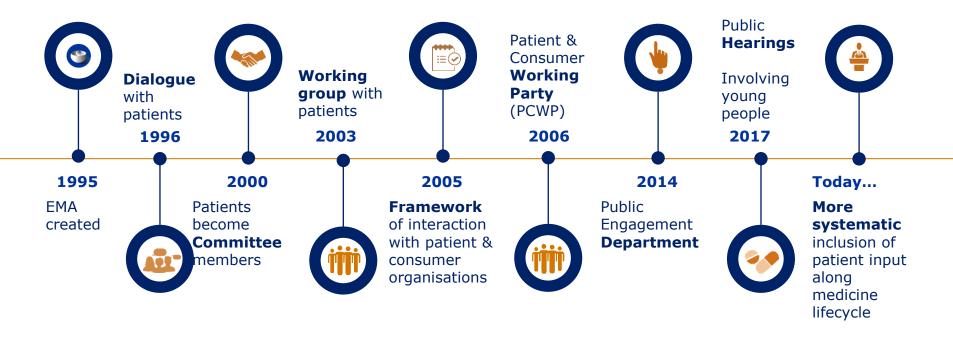
5th Industry Stakeholder Platform on R&D support

16 November 2020

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# **Involving patients - a progressive journey**

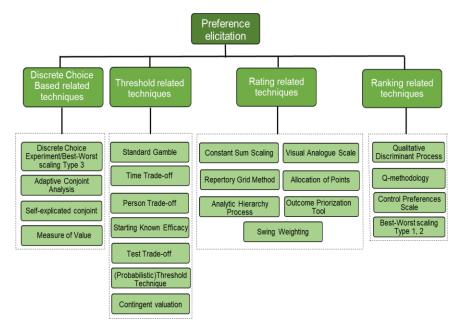


Classified as public by the European Medicines Agency



# How to elicit preferences (trade-offs): old and new methods

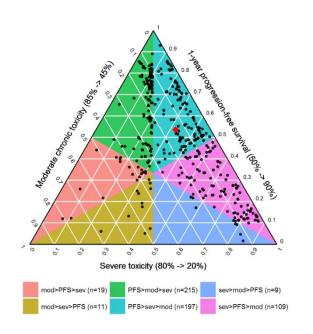
- Key issues and concerns are being described (PREFER Project)
  - A description of commonly used and suitable methods
- Regulatory experience and guidance are currently lacking
- Impact for drug regulatory assessment and decisions?
  - Well suited for quantitative benefit-risk assessment



Soekhai et al., 2019, Value in Health & PREFER report



#### Trade-offs in benefit-risk assessment

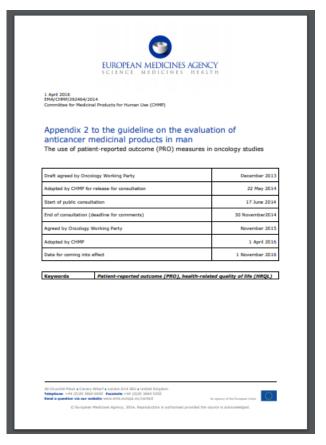






#### PROs in cancer drug applications

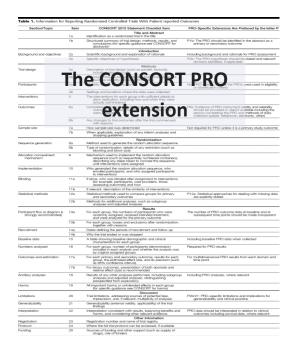
- Usefulness of describing patient utilities about treatments in oncology is increasingly recognised (CHMP anticancer guideline)
- PRO analyses are often included in pivotal clinical trials as secondary or exploratory endpoints
- Claims about the effect of a medicinal product on PROs, either positive effect or lack of negative effect, are often proposed





### Possible guiding principles for assessment and labelling

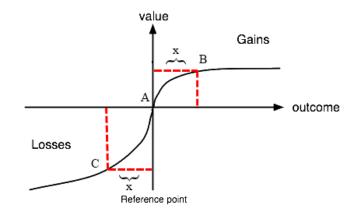
- Claims in the SmPC will depend on:
  - Reliability and validity of the PRO effects described (scientific standards)
    - Adequacy of tools
  - Usefulness of knowledge of PRO effects and uncertainties for doctors and patients
    - May vary depending on the clinical setting
- Internationally agreed regulatory standards are needed
- Important ongoing initiatives standards: SISAQOL-IMI



Calvert et al. JAMA 2013

## The risk of "methodology aversion" in drug regulation

- Fear that toolboxes may turn into black boxes
- Uncritical adoption may lead to false conclusions and patient harm
- Not to use novel, robust methodologies has equally detrimental consequences
- Need to evaluate and validate methodologies ("qualify"): prospectively, well controlled, and according to a pre-agreed plan



Bauer et al. NRDD, 2014; Eichler et al. CPT, 2020

# Take home messages

- Great opportunity for drug regulators to become more systematic about collecting patient trade-offs and utilities, and using them in the assessment or to inform doctors and patients
  - Well-suited for quantitative benefit-risk assessment methods
- Many types of new data and approaches: validation and evaluation ("qualification") are needed before confidence in methods and regulatory guidance can be produced