

www.ispor.org



Using Patient Preferences to Inform Healthcare Decision Making

Presented by the ISPOR Patient Preferences Good Practices Task Force

1

Deborah A Marshall
Professor, University of Calgary
Calgary, AB, Canada

Moderator:

Deborah A. Marshall, Professor, Cumming School of Medicine, University of Calgary
Calgary, AB, Canada

Speakers:

- **Eric Low**, Independent Healthcare Consultant, Eric Low Consulting
Haddington, Scotland, United Kingdom
- **Andrii Danyliv**, Head HEOR Innovation, Novartis, Basel, BS, Switzerland
- **John F. P. Bridges**, Professor, Department of Biomedical Informatics, Ohio State University
Columbus, OH, USA

Chat Moderators:

- **Sebastian Heidenreich**, Associate Director, Patient Preferences, Evidera
London, England, UK
- **Ellen Janssen**, Associate Director, Benefit-Risk, Janssen Research & Development, LLC
Baltimore, MD, USA

Task Force Co-Chairs:

- **John F. P. Bridges**

Professor, Departments of Biomedical Informatics and Surgery
Ohio State University, Columbus, OH, USA

- **Esther de Bekker-Grob**

Associate Professor, Erasmus University Rotterdam
Rotterdam, Netherlands

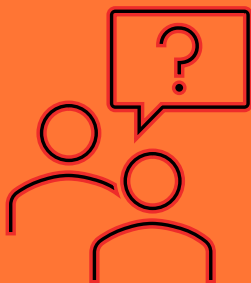
- **Deborah A Marshall**

Professor, University of Calgary, Cumming School of Medicine
Calgary, AB, Canada

Task Force Members:

- **Alice Bast**, CEO, Beyond Celiac, Ambler, PA, USA
- **Jacoline Bouvy**, Scientific Adviser, NICE, London, England, UK
- **Andrii Danyliv**, Head HEOR Innovation, Novartis, Basel, BS, Switzerland
- **Janel Hanmer**, Assistant Professor, University of Pittsburgh, Pittsburgh, PA, USA
- **Brett Hauber**, Senior Economist and Vice President, Health Preference Assessment, RTI Health Solutions, Research Triangle Park, NC, USA
- **Sebastian Heidenreich**, Associate Director, Patient Preferences, Evidera, London, England, UK
- **Martin Ho**, Associate Director, CBER / OBE, Food and Drug Administration, Silver Spring, MD, USA
- **Ellen Janssen**, Associate Director, Benefit-Risk, Janssen Research & Development, LLC, Baltimore, MD, USA
- **Eric Low**, Independent Healthcare Consultant, Eric Low Consulting, Haddington, Scotland, UK

Question #1



How do you describe your role in the context of preferences?

- 1) Researcher
- 2) Clinician
- 3) Industry representative
- 4) Patient organization
- 5) Regulatory agency
- 6) HTA or payer agency
- 7) Patient, family member or caregiver of patient
- 8) Other

Please choose the ONE that best describes your primary role.

ISPOR Good Practices Task Force Reports on Preferences

- **Conjoint Analysis Applications in Health - A Checklist**
(Bridges et al, 2011) #5 most cited article in *Value in Health*
- **Constructing Experimental Designs for Discrete-Choice Experiments**
(Johnson et al, 2013) # 8 most cited article in *Value in Health*
- **Statistical Methods for the Analysis of Discrete-Choice Experiments**
(Hauber et al, 2016) # 43 most cited article in *Value in Health*

Task force currently underway in addition to this task force:

Quantitative Benefit Risk Assessment Emerging Good Practices

This Task Force Builds on....

- 3 ISPOR Good Practices Task Force Reports on preference methods
- ISPOR Special Interest Groups/Working Group activities
- Medical Device Innovation Consortium (MDIC) reports and framework
- FDA/CDRH guidance documents and case studies
- EMA reports and development of guidance
- IMI-PREFER consortium activities, publications, and case studies
- Research literature on preference methods and applied examples
- Efforts within HTAi and HTA agencies
- International Academy of Health Preference Research



Motivation and Rationale for this Good Practices Task Force



- Need for a framework by which a variety of decision makers could use patient preferences
- Make patient preference studies more relevant to decision makers
- Provide guidance on the application of methods that are fit-for-purpose
- Improve decision making in healthcare

Previous Preferences Task Forces:
Improving methods



This Task Force:
Using preferences in decision making

Change the conversation

Question #2



What elements should be included in the framework?

- 1) The context
- 2) The population
- 3) The method
- 4) The data
- 5) The purpose
- 6) Additional elements not listed above
- 7) None of the above

Please choose ALL that apply.

2

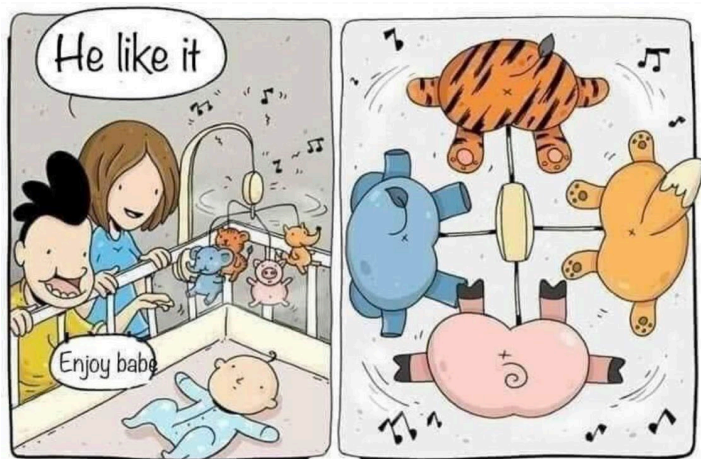
Eric Low

**Independent Healthcare Consultant
Eric Low Consulting
Haddington, Scotland, UK**

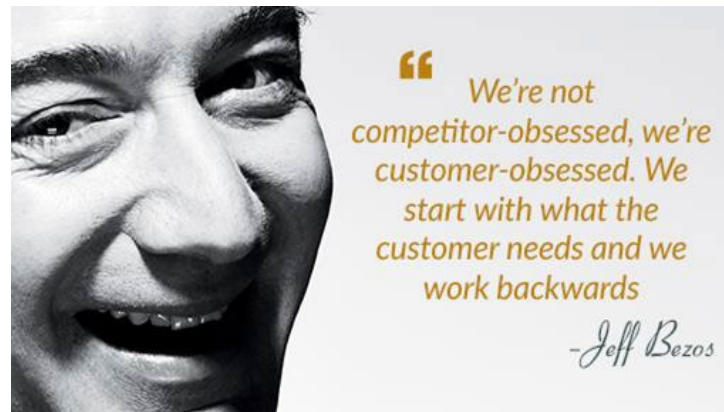
What is the problem?

- There is no cure for most diseases. Therefore, treatments need to be viewed in terms of how long they are able to control a disease or relieve symptoms and how they affect a patient's quality of life.
- For some treatments, there is not enough clinical evidence or experience to know exactly what to expect. Furthermore, no two patients are alike. Predicting results for most treatments is a matter of probabilities – there are no guarantees.
- Many treatments have potentially serious side-effects; some treatments can lead to complications that may prove to be fatal. Patients, their families, researchers and healthcare professionals may have different perspectives and preferences about what constitutes acceptable risk. They may also have different views about what is an acceptable outcome of treatment.
- Most health systems have very scarce resources and need to allocate these to ensure the most health benefit for the population as a whole.
- R&D is almost always eye-wateringly expensive. A phase III clinical trial can often cost in excess of \$300-\$400m, but still most fail. For those that succeed, it's challenging to interpret results.

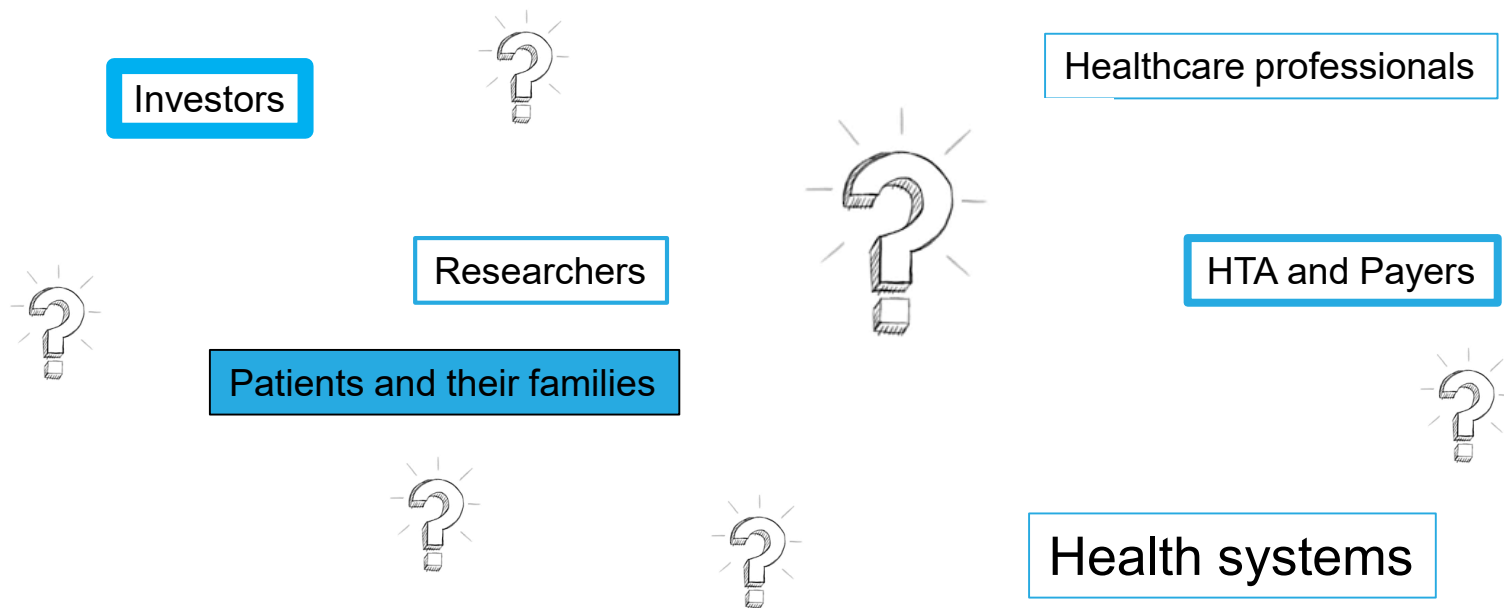
Therefore, it is important to ask patients about their preferences.



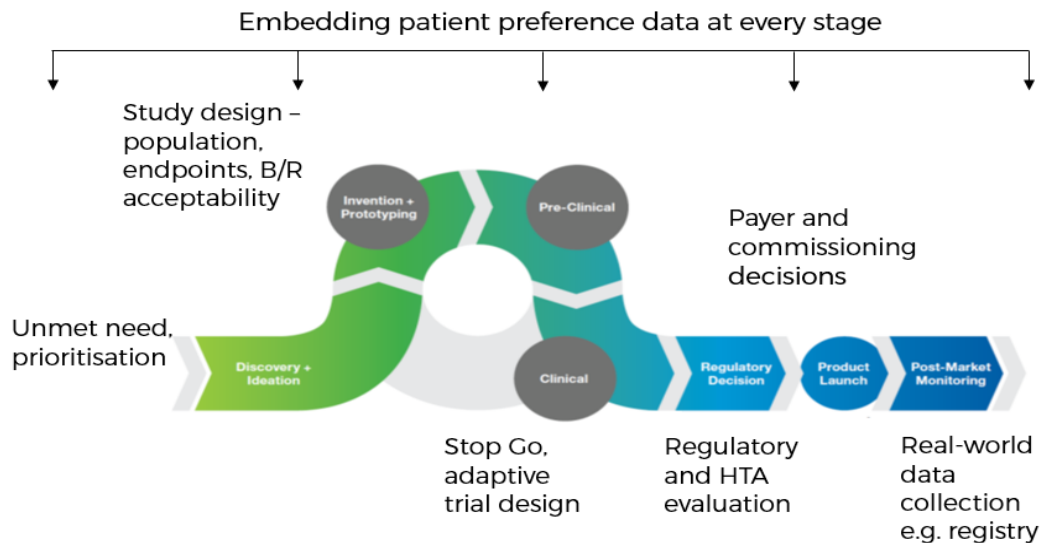
Thank you to Zac Pemberton-Whiteley CEO of Leukaemia Care for the cartoon.



Who can benefit from patient preference data?



Patient preference research should be embedded across the entire bench to bedside continuum.



If we expect patients to comment on the benefits at the evaluation phase we need to ensure that the endpoints are meaningful to them in the first place.

Patient preference data can shine a very bright torch on what matters most to patients.



Burden of disease and perspectives on treatment

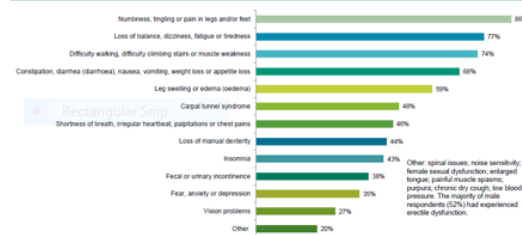
Summary report from research with hereditary transthyretin amyloidosis (hATTR) patients and carers

Amyloidosis Research Consortium UK
www.arci.org
July 2018

Impacts on quality of life domains are inextricably linked



Patients experience a high, multi-systemic symptom burden

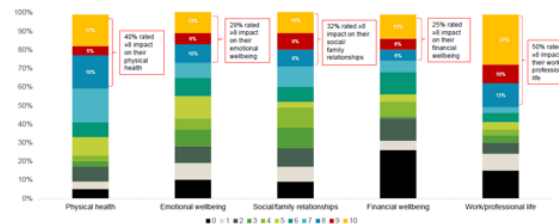


Q: In the last 12 months which symptoms have you experienced? (n=88)

Many different areas of patients' lives are affected by hATTR



Respondents rated the impact hATTR had on different aspects of their life over the last 12 months using a scale between 0 and 10 (0=no impact and 10=maximum impact)



1 Over the last 12 months how have the following aspects of your life been affected by hATTR? Please indicate between 0 and 10 where 0=no impact and 10=maximum impact (n=88)

Patient preference data can shine a very bright torch on what matters most to patients.

Patient Preference and Adherence

Dovepress

open access to scientific and medical research

Open Access Full Text Article

ORIGINAL RESEARCH

Myeloma Patient Value Mapping: A Discrete Choice Experiment on Myeloma Treatment Preferences in the UK

This article was published in the following Dove Press journal:
Patient Preference and Adherence

Simon Fifer¹
Jayne Galinsky²
Sarah Richard³

¹Community and Patient Preference Research (CaPPRe), Sydney, NSW, Australia; ²Myeloma UK, Edinburgh, Scotland; ³PPMA, Edinburgh, Scotland

Background: Myeloma is an incurable life-threatening hematological cancer. Recent treatment developments have seen improvements in survival; however, while patients are living longer, they are living with symptoms and treatment side effects.

Objective: To evaluate myeloma patients' preferences for treatment using a discrete choice experiment (DCE). This study set out to define the relative importance of key treatment attributes, characterize the risk-benefit trade-offs in patients' decision-making, and to analyze the predictive power of basic demographic factors.

Methods: Four hundred seventy-five myeloma patients in the UK were invited to participate by Myeloma UK. Data were collected using DCEs through an online survey. The DCEs presented patients with 10 choice scenarios, each with 2 treatment options described by 7 attributes, and a "no treatment" option. The DCE data were modelled using a latent class model (LCM). The effects of demographic characteristics were also examined.

Results: Not surprisingly, average survival was most important to all patients but there were significant contrasts between the class preferences. The LCM revealed two classes of patients. Patients in Class 1 placed greater importance on average survival and mild-to-moderate side effects, whereas patients in Class 2 focused on the mode of administration and the average out-of-pocket costs. Patients living with others and those diagnosed in the last 5 years were more likely to be in Class 1.

Conclusion: Different treatment features were not valued equally among all myeloma patients. This has important implications for healthcare policy decisions and could be used to guide decisions around the value of new myeloma medicines.

Keywords: discrete choice experiment, patient preferences, myeloma, health technology assessment, dashboards

| Factors | Treatment A | Treatment B | Neither of these treatments |
|--|--|---|-------------------------------|
| Average overall survival | 7 years 1 year 3 years 5 years 7 years 9 years | 3 years 1 year 3 years 5 years 7 years 9 years | |
| Average remission period | 5 years 3 months 1 year 3 years 5 years 7 years 9 years | 9 months 1 year 3 years 5 years 7 years 9 years | |
| Mild or Moderate side-effects | 60 out of 100 (60%) risk Lasting up to 2 mths | 20 out of 100 (20%) risk Lasting up to 2 mths | |
| Severe side-effects | 5 out of 100 (5%) risk Lasting longer than 2 mths | 10 out of 100 (10%) risk Lasting up to 2 mths | |
| How treatment is taken | Intravenous drip (Hospital / clinic) Time: 2-3 hours | Subcutaneous Injection (Hospital / clinic) Time: 15 mins | |
| Frequency of taking treatment | Fortnightly | Weekly | |
| Average out of pocket costs to you over a year | £0 | £0 | |
| I would choose | <input type="radio"/> Treatment A | <input type="radio"/> Treatment B | <input type="radio"/> Neither |

3

Andrii Danyliv

**Head HEOR Innovation, Novartis
Basel, Switzerland**

Disclaimer

- Andriy Danyliv, PhD, is an **employee** of **Novartis AG**.
- These slides are based on publicly available information.
- The views and opinions expressed in this presentation are those of the presenter and do not necessarily reflect the official policy or position of Novartis or any of its officers.
- The content of this slide deck is accurate to the best of the presenter's knowledge at the time of production.

ISPOR SIG Report: Actual use of preference data in decision-making

Themed Section: Applications of Health Preferences Research

Health Preference Research in Europe: A Review of Its Use in Marketing Authorization, Reimbursement, and Pricing Decisions—Report of the ISPOR Stated Preference Research Special Interest Group

Kevin Marsh, PhD,* Janine A. van Til, PhD, Elizabeth Molsen-David, RN, Christine Juhnke, MA, Natalia Hawken, PhD, Elisabeth M. Oehrlein, PhD, MS, Y. Christy Choi, PharmD, Alejandra Duenas, PhD, Wolfgang Greiner, PhD, Kara Haas, MD, MPH, FACS, RAC, Mickael Hilgsmann, PhD, Kimberley S. Hockley, PhD, Ilya Ivlev, MD, PhD, Frank Liu, PhD, Jan Ostermann, PhD, Thomas Poder, PhD, Jiat L. Poon, PhD, Axel Muehlbacher, PhD

VALUE HEALTH. 2020; 23(7):831–841



Examines **European decision makers'** consideration and use of quantitative preference data

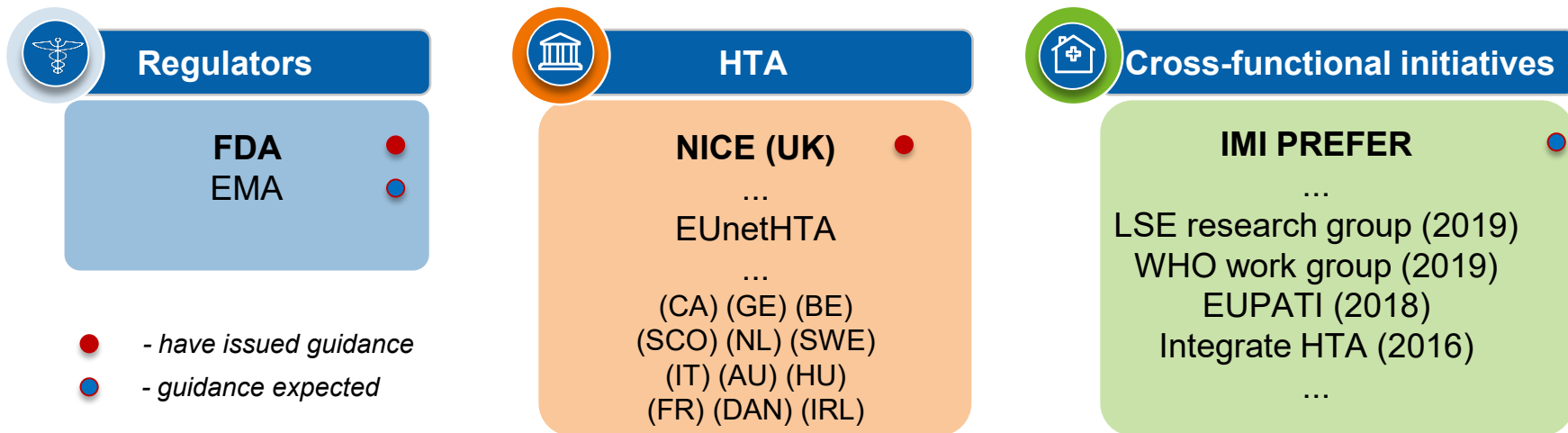
- **documentary evidence** identified through a literature and regulatory websites review, and via key opinion leader outreach;
- a **survey** of staff working for agencies that support or make healthcare technology decisions

Key findings:

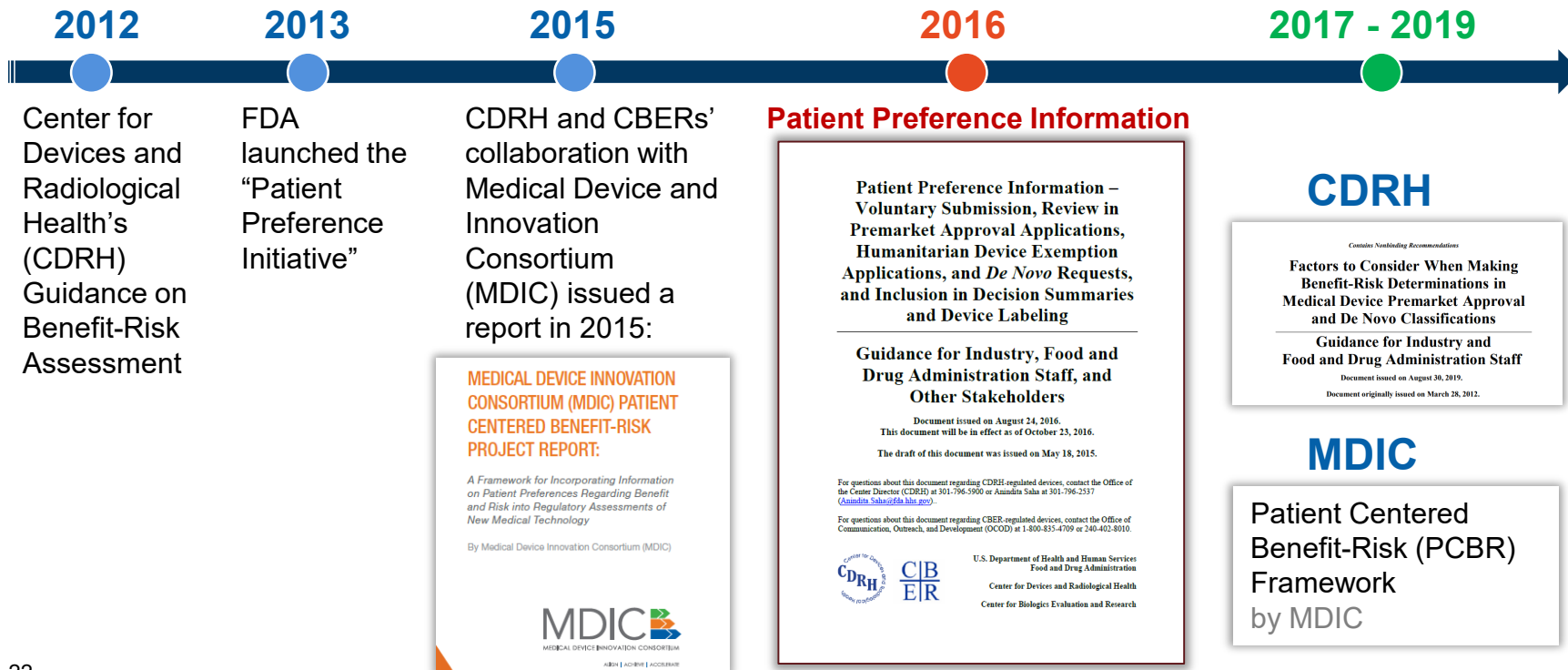
- ❑ Preference data utilization was identified in **22 countries** and at European level (but not for market authorization)
- ❑ The most prevalent use is to inform **health-related quality of life** (19 countries)
- ❑ **Other uses:**
 - Value other [than QALY] impact on patients (EN&WAL, NL, SC; GE; SE)
 - Incorporate non-health factors into reimbursement (AT, HU, IT, BE, FR)
 - Estimate opportunity cost (NL, SE)
- ❑ **Pilot projects** in 6 countries with the focus on MCDA and choice-based methods (BE, DK, GE, IE, NL, UK)
- ❑ Need for better alignment between decision makers

There is no single well-established guidance for the use of patient preferences in decision-making.

- ❑ Regulators, HTA bodies, as well as multi-stakeholder initiatives, expressed their views in guidance documents and/or statement papers.
- ❑ The latest multi-stakeholder initiative, **IMI PREFER**, plans to deliver recommendations in **2021**.



FDA 2016 PPI guidance is a result of multi-stakeholder collaboration and informs further guidance of their use in *benefit-risk assessment*.



***PPI guidance recommends:* voluntary submissions of PPI, both qualitative and quantitative, may be useful with benefit-risk assessment**

Patient Preference Information –
Voluntary Submission, Review in
Premarket Approval Applications,
Humanitarian Device Exemption
Applications, and *De Novo* Requests,
and Inclusion in Decision Summaries
and Device Labeling

Guidance for Industry, Food and
Drug Administration Staff, and
Other Stakeholders

Document issued on August 24, 2016.
This document will be in effect as of October 23, 2016.
The draft of this document was issued on May 18, 2015.

For questions about this document regarding CDREH-regulated devices, contact the Office of
the Center Director (CDREH) at 301-796-5900 or Anindita Saha at 301-796-2337
(Anindita.Saha@fda.hhs.gov).

For questions about this document regarding CDREH-regulated devices, contact the Office of
Communication, Outreach, and Development (OCOD) at 1-800-835-4709 or 240-402-8010.



U.S. Department of Health and Human Services
Food and Drug Administration
Center for Devices and Radiological Health
Center for Biologics Evaluation and Research

- **Purpose & uses:**

- Identify the most important benefits & risks
- Relative importance of the attributes (incl. MCI effect size)
- Help understand heterogeneity (subgroups)

- **PPI may be useful** when patient decisions are **preference sensitive** while:

- multiple options exist, none is clearly superior;
- evidence is considerably uncertain or variable;
- patients' views are heterogeneous or differ from HCPs

- The guidance outlines recommended qualities of patient preference studies (PPS) to be included as valid scientific evidence.

- Differentiates PPI from PRO and drafts accepted methods for PPI.

- The guidance helps to understand “*how PPI may inform decision making via several examples*”.

2016



EMA, thus far, has viewed *'preferences'* in the context of *decision theory* exploring several preference elicitation methods...

Swing weighting or MACBETH in MCDA context (Benefit-Risk Methodology project 2009-2014).
Conjoint analysis was deemed as (moderately) useful to explicate trade-offs among effects, especially for eliciting patient preferences.

More recently, EMA has been exploring the use of stated preferences in multiple myeloma patients (swing weighting).

2025



- To develop guidance on the **roles of patient preferences** in regulatory decisions
- To consider and build on existing good practice guidance (such as that issued by **ISPOR**), guidance provided by the **FDA**, and the results of **IMI PREFER**

2008

2009 - 2014

2018



London, 19 March 2008
 Doc. Ref. EMEA/CHMP/15404/2007

COMMITTEE FOR MEDICINAL PRODUCTS FOR HUMAN USE
 (CHMP)

Recommendations:

... explore further methodologies for benefit/risk analysis (BRA), including a wide range of quantitative and semi-quantitative tools, and involving experts and assessors.



London, 12 March 2009
 Doc. Ref. EMEA/108979/2009

Benefit-Risk Methodology Project

Development and testing of tools and processes for balancing multiple benefits and risks as an aid to informed regulatory decisions about medicinal products.

- WP1:** Current practice of BRA
- WP2:** Review of current tools/methods
- WP3:** Field tests
- WP4:** BRA tool development
- WP5:** Training package



"Although the usefulness of stated preference studies in drug regulation is still not well established, such studies, along with other methods such as focus groups and expert opinions, have the potential to become an important tool for gathering patient views in a systematic way to inform regulatory and treatment decisions"

NICE's view on PPI in HTA has evolved to a clear vision in 2020.

Measuring Patient Preferences

An exploratory study to determine how patient preferences data could be used in health technology assessment (HTA)

Project report

2019

June 2019



The aim of this project was to undertake research to explore how quantitative methodology for eliciting patient preferences might be used in HTA.

Key Points

- Review of the PP literature and engagement with the stakeholders, primarily in myeloma.
- PPI is mostly anecdotal, and it is not always obvious how it impacts decision making.
- There is a growing interest in quantitative techniques to improve transparency.
- There is no 'one-size-fits-all' solution for generating PP data.
- DCE stands out as the most robust approach to elicit patient preferences for different treatment options, but it may not always be appropriate.
- Selection of the most appropriate method may depend on the specific research question.
- Not every recommendation will benefit to the same degree from PPI.

Use of Patient Preference Studies in HTA Decision Making: A NICE Perspective

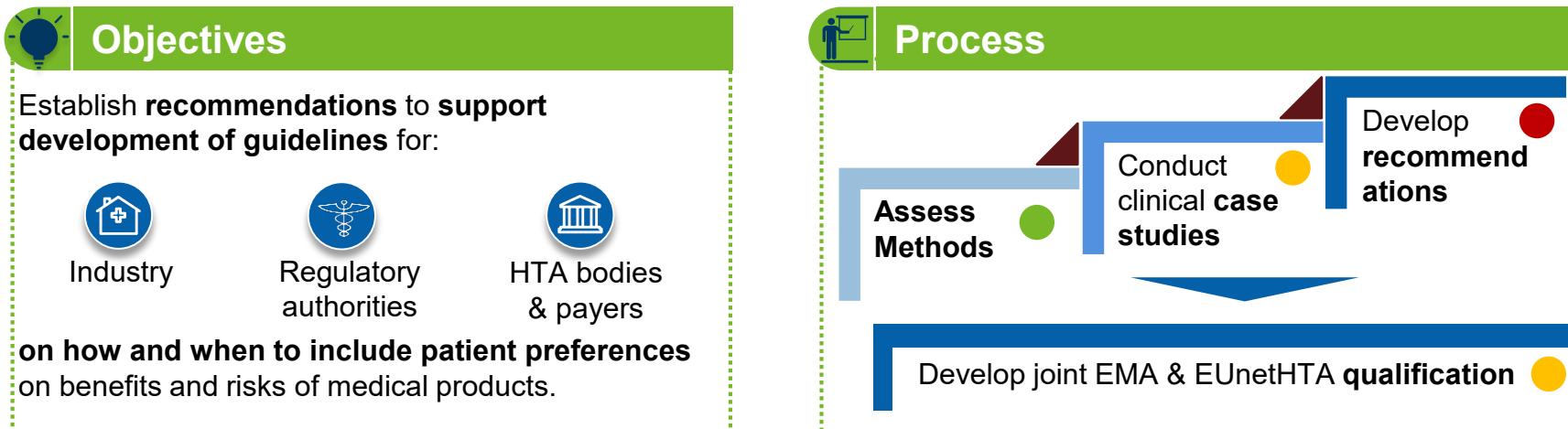
Jacoline C. Bouvy¹ · Luke Cowie² · Rosemary Lovett¹ · Deborah Morrison³ · Heidi Livingstone⁴ · Nick Crabb^{1,3}

2020: The Patient - Patient-Centered Outcomes Research
<https://doi.org/10.1007/s40271-019-00408-4>

Key Points

- Methods that allow the measuring of patient preferences in a quantitative manner might offer **valuable insights** to health technology assessment bodies, especially when patient preference studies are **representative of the wider patient population**.
- Currently, the National Institute for Health and Care Excellence **does not see a role for quantitative patient preference data** ...
- Notwithstanding, patient preference studies could be considered alongside other types of evidence, especially for appraisals that involve **distinctly different treatment options** or are **indicated for a heterogeneous population** or for **technologies that have important non-health benefits**.

IMI **PREFER** – Patient preferences in benefit risk assessments during the drug life cycle



Case studies

3 Core Academic case studies

- Rheumatoid Arthritis (RA)
- Neuromuscular Disorders (NMD)
- Lung cancer

5 Academic case studies

- Glucose monitoring
- Gene therapies
- Attribute attendance in DCE
- PP for biologics
- Multiple Myeloma

3 Industry case studies

- COPD
- Antithrombotic treatments following MI
- Osteo-Arthritis and lower back pain

IMI **PREFER** – Key work streams and expected output

- Finding out what stakeholders want
 - literature review,
 - interviews and focus group meetings with patient organisations, physicians, regulatory authorities, health technology assessment bodies, industry experts and academics
- Identifying methods and criteria
 - In total, **32 unique methods** were identified ^a: 10 exploration and 22 elicitation
 - IMI PREFER shall focus on **5 elicitation methods** that cover most uses: *DCE, BWS object case and profile case, threshold technique, and swing weighting*

- **Final Recommendations** key components:
 - Framework for patient preference studies
 - Recommendations on how to involve patients and other stakeholders
 - Preference exploration and elicitation methods

4

John F. P. Bridges

Professor, Departments of Biomedical
Informatics, Ohio State University Columbus,
OH, USA

Rationale for the Framework

- Many methods and approaches are now available to generate or synthesize **information on patient preferences**.
- There is a growing number of **methodological guidance** documents for researchers to improve studies, techniques, and publications.
- The **greatest imperative** now is to make information on patient preferences more useful to decisions makers (broadly defined) and in a variety of specific decision-making contexts.

What do we need?

- Information on patient preferences needs to be **fit-for-purpose**.
 - Relevant and useful to decision makers
 - Critical appraisal, validity and reliability, transparent
- We need tools and resources to:
 - Better communicate with decision makers and stakeholders
 - Focus of the utility of our data for decisions makers and decisions in healthcare
 - Engage all relevant stakeholders
 - To promote a **culture change** (move from getting published to getting used)

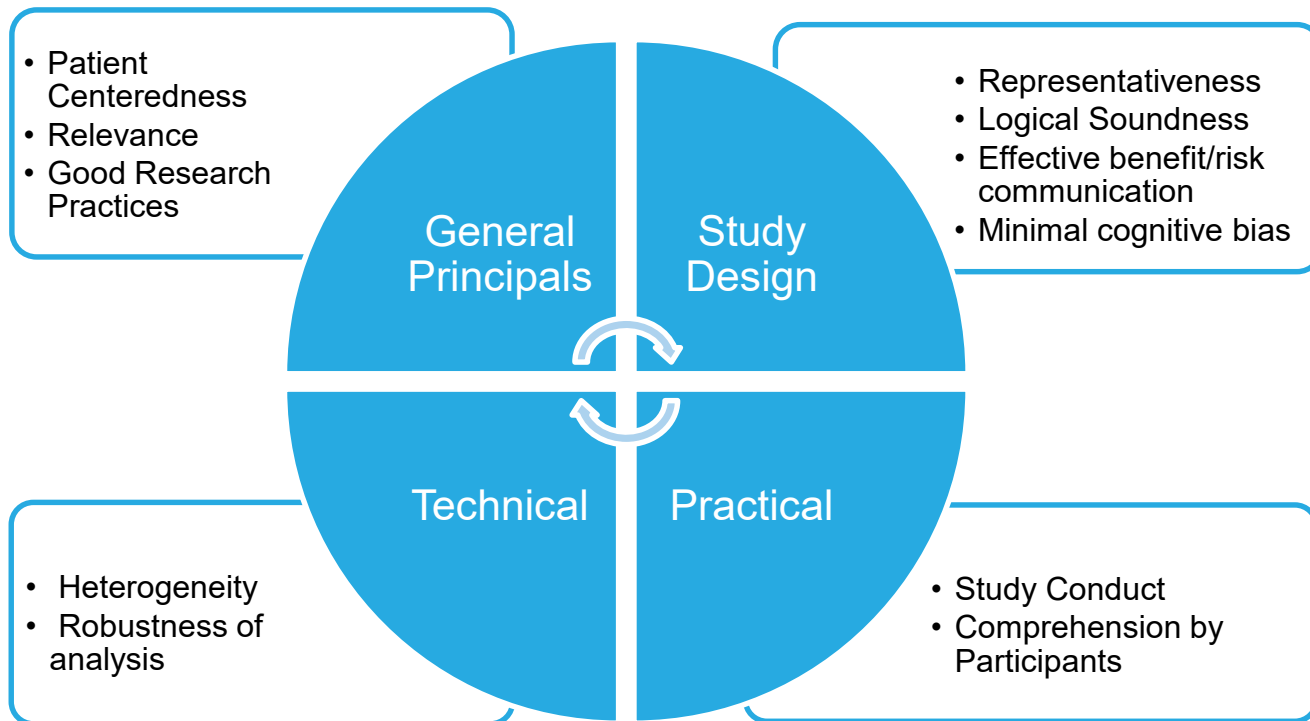
What type of Framework?

- Simple framework
 - PICOTS
 - REAIM
- Complex frameworks
 - Consolidated Framework for Implementation Research (CIFR)
 - International Patient Decision Aid Standards (IPDAS)
- Reporting of studies
 - CONSORT
 - PRISMA
 - CHEERS

REAIM

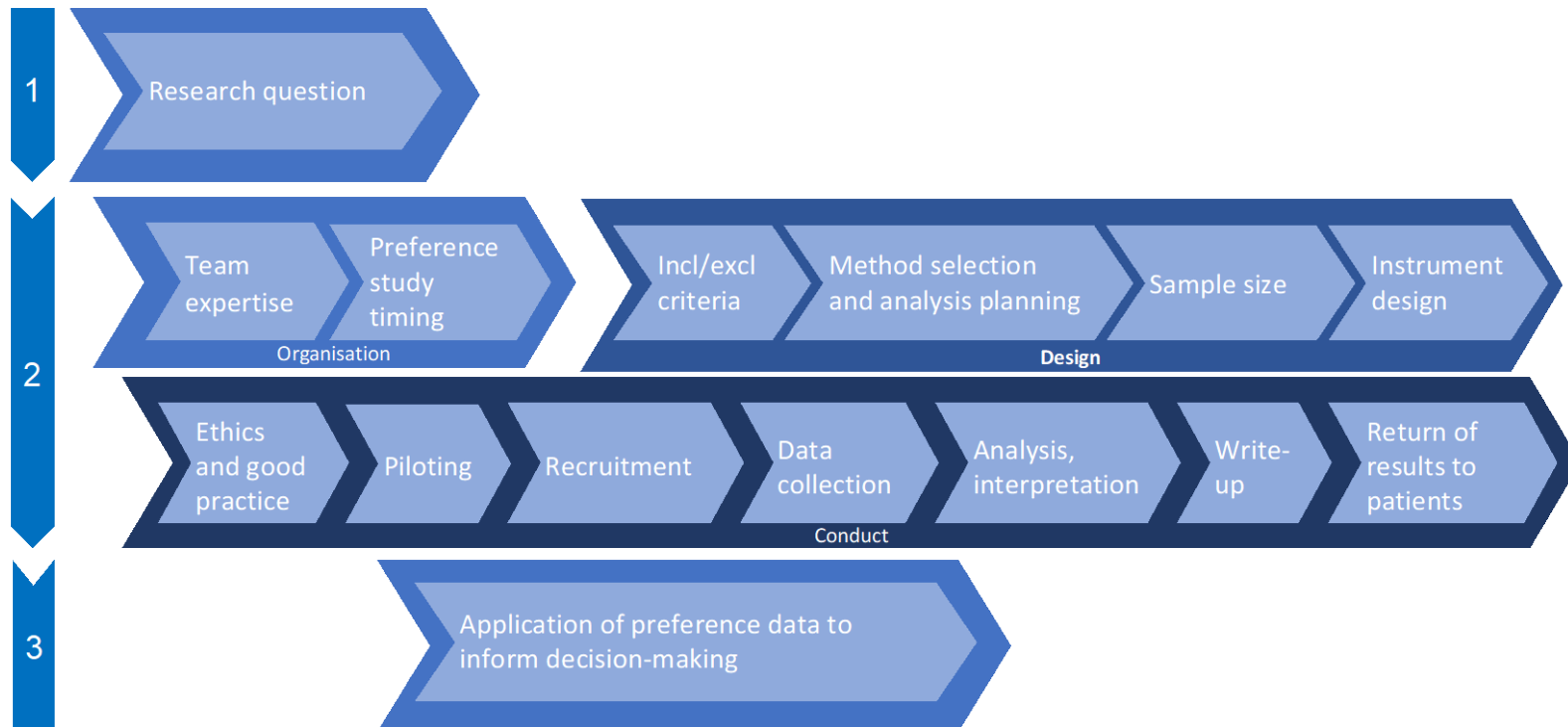
- **Reach** – How do I reach the targeted population with the intervention?
- **Effectiveness** – How do I know my intervention is effective?
- **Adoption** – How do I develop organizational support to deliver my intervention?
- **Implementation** – How do I ensure the intervention is delivered properly?
- **Maintenance** – How do I incorporate the intervention so that it is delivered over the long term?

CDRH guidance

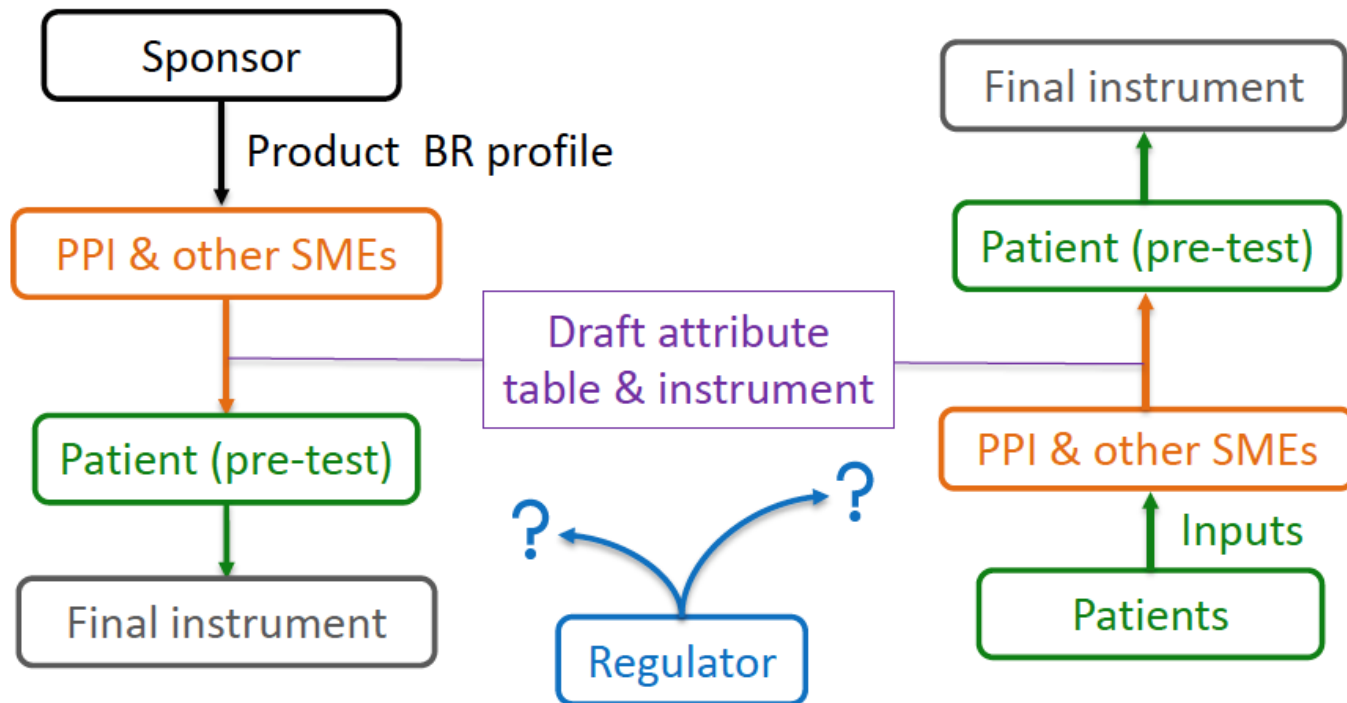


Virtual ISPOR-FDA Summit 2020: Using Patient-Preference Information in Medical Device Regulatory Decisions: Benefit-Risk and Beyond. Patient Preference Information – What It Is and What It Is Not. <https://www.ispor.org/conferences-education/conferences/past-conferences/ispor-fda-summit-2020>. Modified from FDA Final Patient Preference Guidance Document. August 24, 2016. <https://www.fda.gov/media/92593/download>

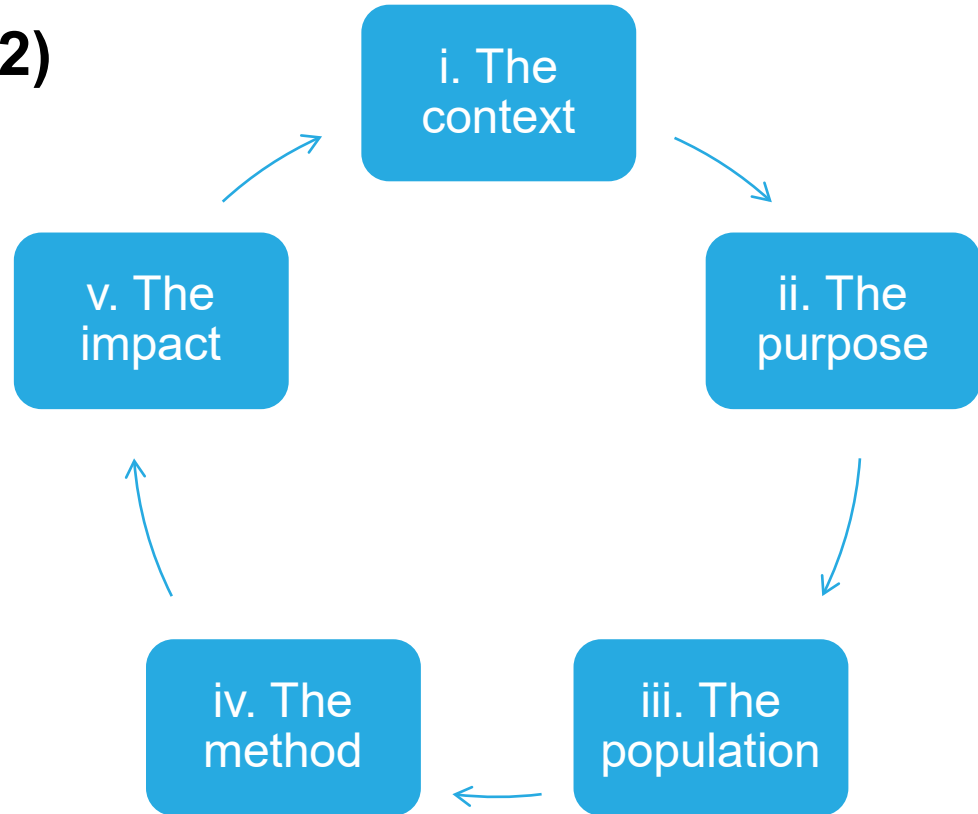
IMI-PREFER Framework (*work in progress*)



Top down or bottom up (Post MDIC)



ISPOR Framework (V2)



ISPOR Framework (V2) – Key questions

- i. **The context** – How do decision get made, what are the legal, ethical, and social constraints, and what stakeholders are involved?
- ii. **The purpose** – What role might preference information play in decision making and how/when/why is it most useful to decision makers?
- iii. **The population** – To whom does the decision apply and to which people does the decision directly and indirectly effect?
- iv. **The method** – How are decision makers and stakeholders engaged in choosing, applying, and critically evaluating the approach taken?
- v. **The impact** – Are the data presented so as to maximize the utility and value of the information for decision makers and stakeholder?

Next steps

- We want **broad input** by engaging the ISPOR membership.
- Continue to refine and **build consensus** on the Framework.
- Draft **task force report** (<5,000 words)
- Again, get **broad input** from the ISPOR membership.
- Finalize and publish the task force report in ***Value in Health***

www.ispor.org



Related ISPOR Activities

Join Our Task Force Review Group!

1. Visit ISPOR home page
www.ispor.org
2. Select “Member Groups”
3. Select “Task Forces”
4. Scroll down to Join a Task Force Review Group
5. Click button to “Join a Review Group”

You must be an ISPOR member to join a Task Force Review Group.

Task Forces

Task forces develop ISPOR's [Good Practices Reports](#), which are highly cited expert consensus guidance recommendations that set international standards for outcomes research and its use in healthcare decision making.

- [Consolidated Health Economic Evaluation Reporting Standards \(CHEERS\) II](#)
- [Joint HTAi - ISPOR Deliberative Processes for HTA](#) **NEW**
- [Machine Learning Methods in HEOR](#)
- [Measurement Comparability Between Modes of Administration of PROMs](#)
- [Measuring Patient Preferences for Decision Making](#)
- [Performance Outcome \(PerfO\) Assessments](#)
- [Systematic Reviews with Cost and Cost-Effectiveness Outcomes](#)

Join a Task Force Review Group

All ISPOR members who are knowledgeable and interested in a task force's topic may participate in a task force review group. To join a task force review group:

JOIN A REVIEW GROUP

ISPOR Special Interest Groups

- Biosimilars
- Clinical Outcome Assessment (COA)
- Digital Health
- Epidemiology
- Health Preference Research
- Medical Devices & Diagnostics
- Medication Adherence & Persistence
- Nutrition Economics
- Oncology
- Open Source Models
- Patient-Centered
- Precision Medicine & Advanced Therapies
- Rare Disease
- Real World Evidence (RWE)
- Statistical Methods in HEOR

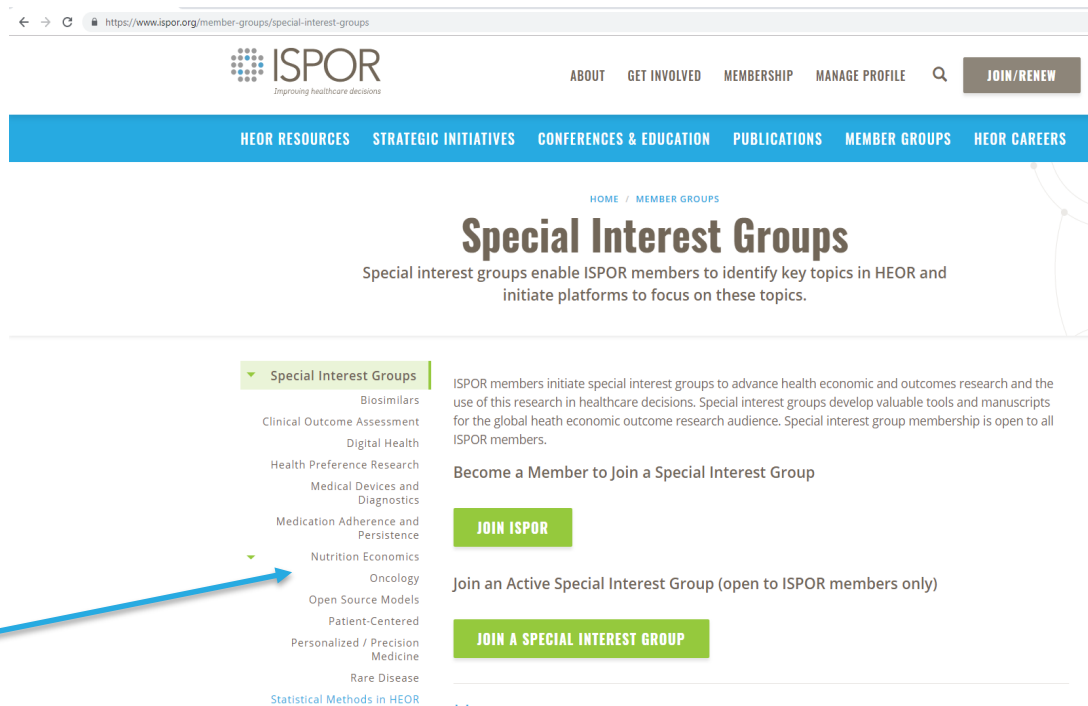
Join an ISPOR Special Interest Group



1. Visit ISPOR home page www.ispor.org
2. Select “Member Groups”
3. Select “Special Interest Groups”
4. Click button to “Join A Special Interest Group”

For more information, e-mail
sigs@ispor.org

You must be an ISPOR member to
 join a Special Interest Group



The screenshot shows the ISPOR website at <https://www.ispor.org/member-groups/special-interest-groups>. The navigation bar includes links for ABOUT, GET INVOLVED, MEMBERSHIP, MANAGE PROFILE, and a JOIN/RENEW button. The main header lists HEOR RESOURCES, STRATEGIC INITIATIVES, CONFERENCES & EDUCATION, PUBLICATIONS, MEMBER GROUPS, and HEOR CAREERS. The page title is "Special Interest Groups" with a subtitle: "Special interest groups enable ISPOR members to identify key topics in HEOR and initiate platforms to focus on these topics." A sidebar on the left lists various Special Interest Groups, including Biosimilars, Clinical Outcome Assessment, Digital Health, Health Preference Research, Medical Devices and Diagnostics, Medication Adherence and Persistence, Nutrition Economics, Oncology, Open Source Models, Patient-Centered, Personalized / Precision Medicine, Rare Disease, and Statistical Methods in HEOR. A blue arrow points from the text "You must be an ISPOR member to join a Special Interest Group" to the "Special Interest Groups" link in the sidebar. The main content area features a "Become a Member to Join a Special Interest Group" section with a "JOIN ISPOR" button, and a "Join an Active Special Interest Group (open to ISPOR members only)" section with a "JOIN A SPECIAL INTEREST GROUP" button.

www.ispor.org



Discussion

www.ispor.org



Thank you

Please feel free to email any follow-up
questions or comments on content

taskforce@ispor.org

or

webinars@ispor.org