While new health technologies raise significant economic, ethical and social issues, the Responsible Innovation in Health (RIH) framework emphasizes the importance of developing technologies that are responsive to system-level challenges and support equitable and sustainable healthcare (1).

To identify the degree of responsibility of innovations at an early stage, we developed and validated The In Fieri Assessment Tool for RIH, which supports an evidence-informed judgment through a three-step process: screening, assessment and rating.

### Results
- **Validation of constructs - Delphi study (2)**
  - 4 groups of experts: RRI scholars, biomedical engineers, bioethicists and HTA experts
  - > 300 comments shared by experts
  - Consensus obtained over the great majority of constructs

**Inter-rater reliability assessment (3)**
- 2 raters, 25 health innovations (e.g., diagnostic tests, medical devices, digital solutions, etc.)
  - «Perfect» agreement for all screening criteria
  - «Almost perfect» agreement for 7/9 assessment attributes
  - «Substantial agreement» for 2/9 attributes

### Approach

1. **Literature review:** key concepts, dimensions and indicators of responsibility
2. **Web-based horizon scanning:** inventory of 105 health innovations
3. **Development and pre-test of preliminary versions**
4. **Delphi study with international experts to validate constructs**
5. **Inter-rater reliability assessment**

### The In Fieri Assessment Tool for RIH

- **1. Screening**
  - 2 inclusion criteria
  - 2 exclusion criteria

- **2. Assessment**
  - 9 assessment attributes organized in 5 value domains

- **3. Rating**
  - Availability and quality of info sources
  - Presence of RIH features

**A scorecard is used to support its application:**

### Conclusion

By validating the RIH Tool’s constructs and confirming key aspects of its reliability and applicability, our study brings its development to completion. It can be jointly put into action by innovation stakeholders who want to foster innovations with greater social, economic and environmental value. The Tool is available as Supplementary File in Silva et al. (3) or through e-mail (hp.silva@umontreal.ca).

### References