

Safe handling of cytotoxic medicines and related waste: Development of a self-assessment tool adapted to resource-constrained settings

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Objectives

Develop a self-assessment tool for low and middle-income countries (LMIC)

- Support implementation of safe handling practices
- Promote continuous quality improvement regarding cytotoxic medicines management

Conclusion

1st self-assessment tool to:

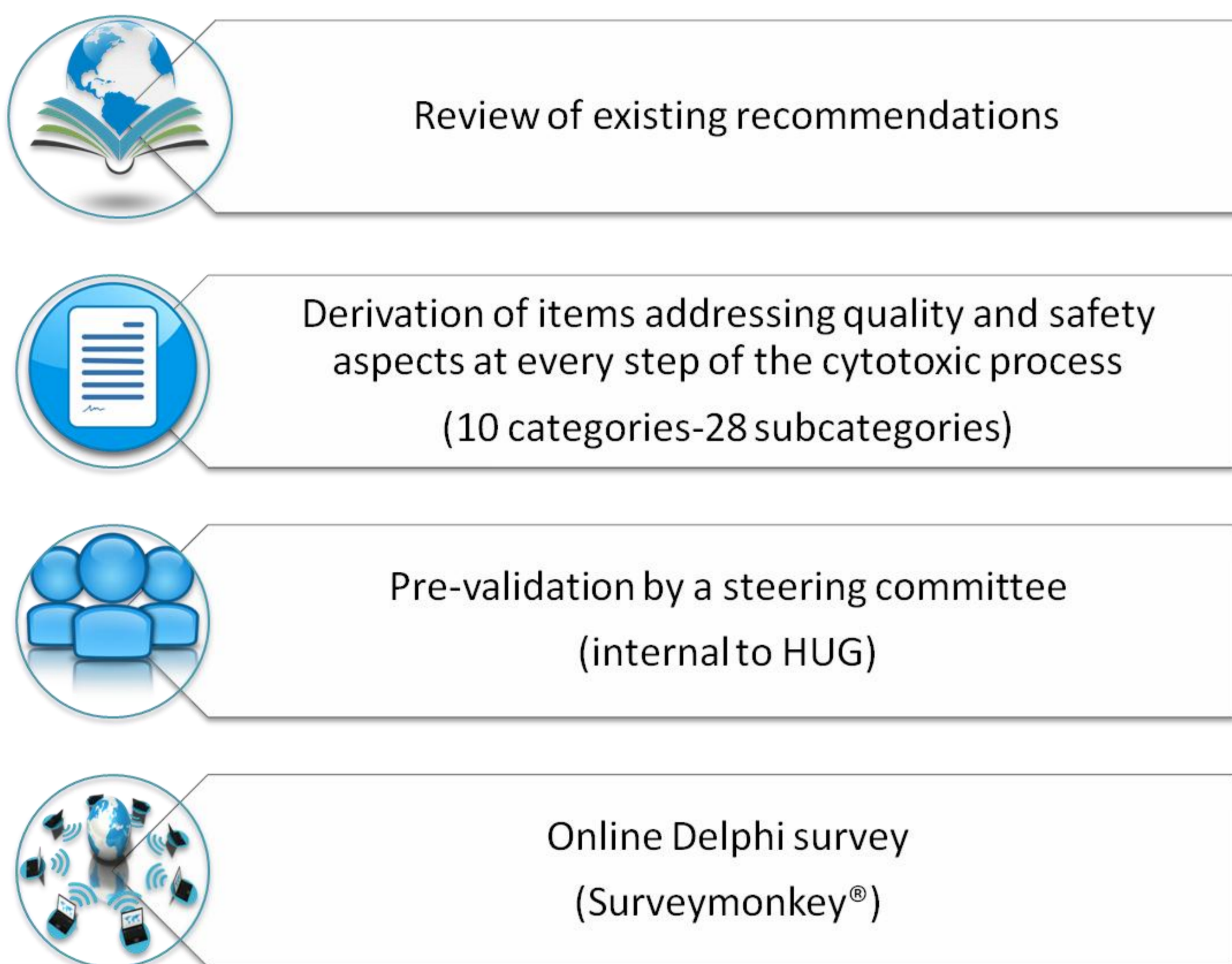
- Cover all the cytotoxic process
- Target LMIC

Consensus by 27 pharmaceutical experts
High participation rate emphasizes relevance of the topic

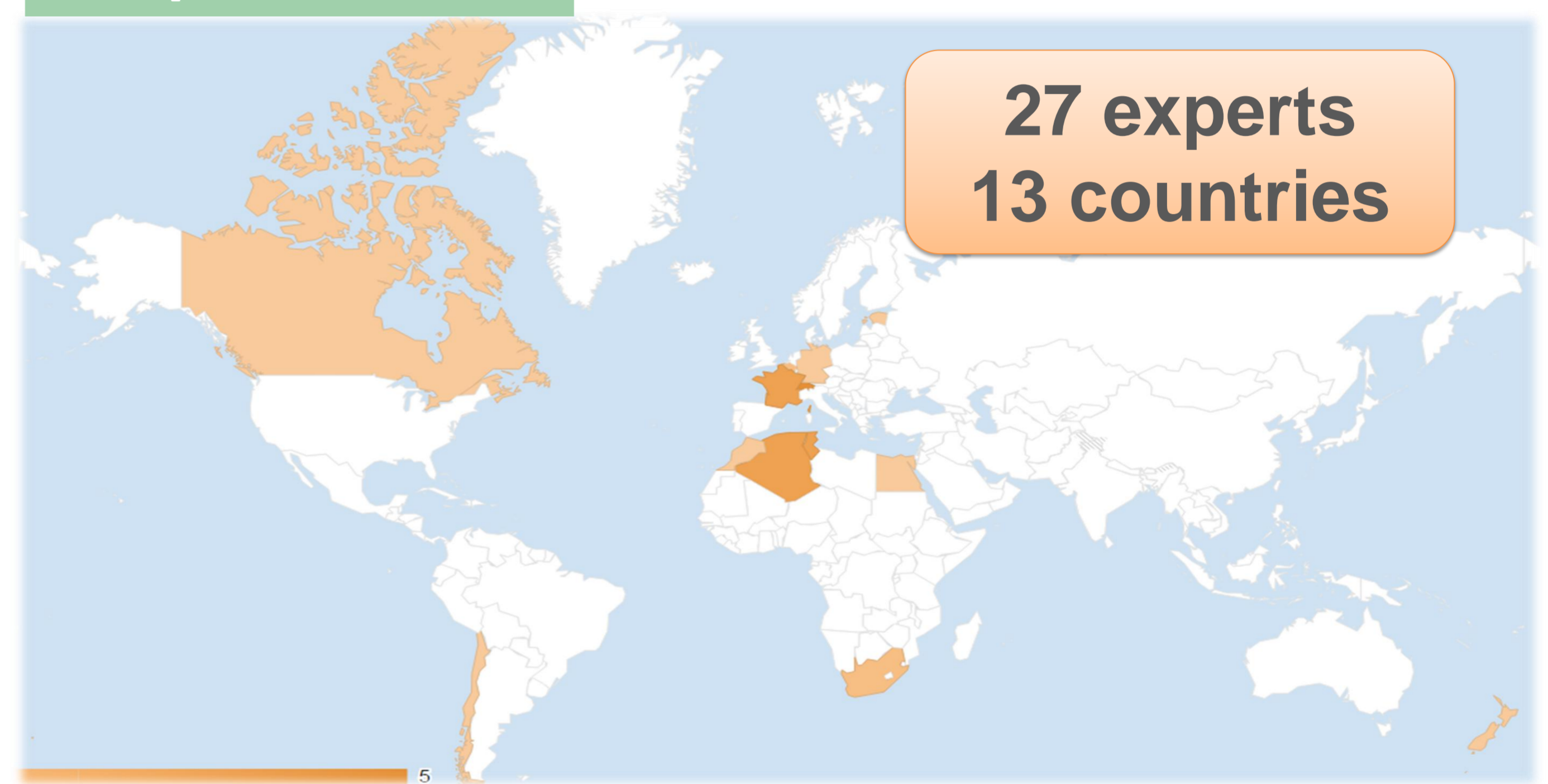
Context

The rising burden of cancer in LMIC and a higher use of chemotherapy treatments stress the need to promote and improve safe handling practices of cytotoxic medicines in those settings.

Method



Delphi Panel



Characteristics of the pharmaceutical experts

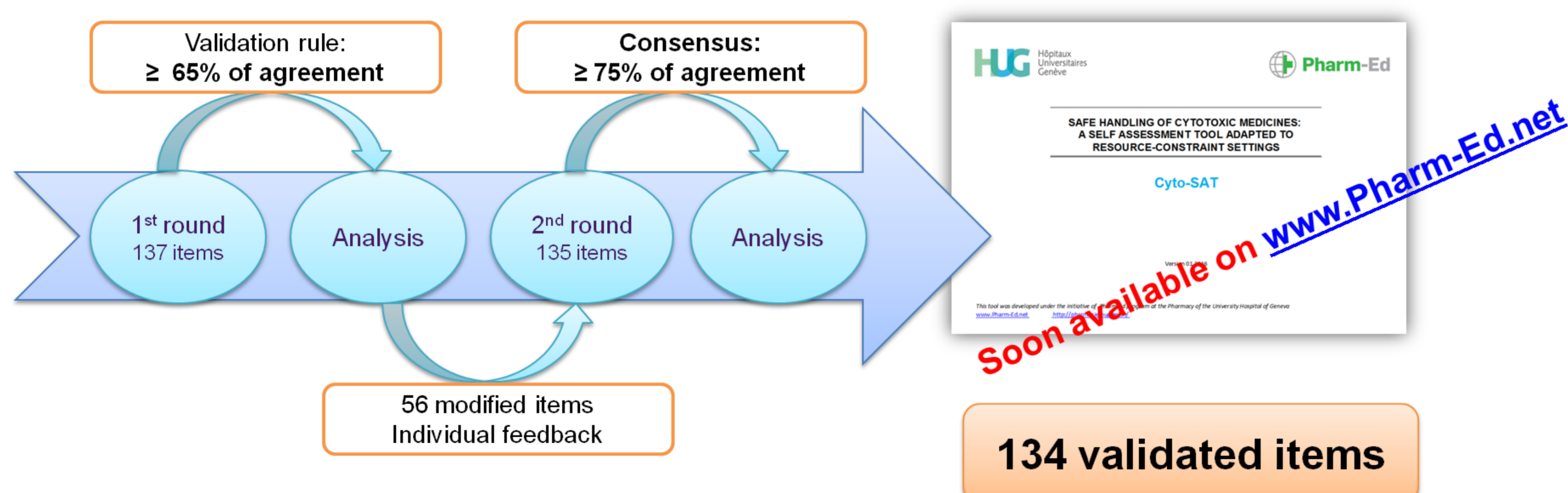
High-income countries	14	(51.9%)
LMIC	13	(48.1%)
Experience with cytotoxics (years): median (Q1-Q3)	10	(4-18)
Type of Healthcare facilities: n (%)		
University/academic Hospital	20	(75%)
Regional Hospital	4	(15%)
Private facilities	2	(7%)
Other	1	(3%)

Delphi Survey

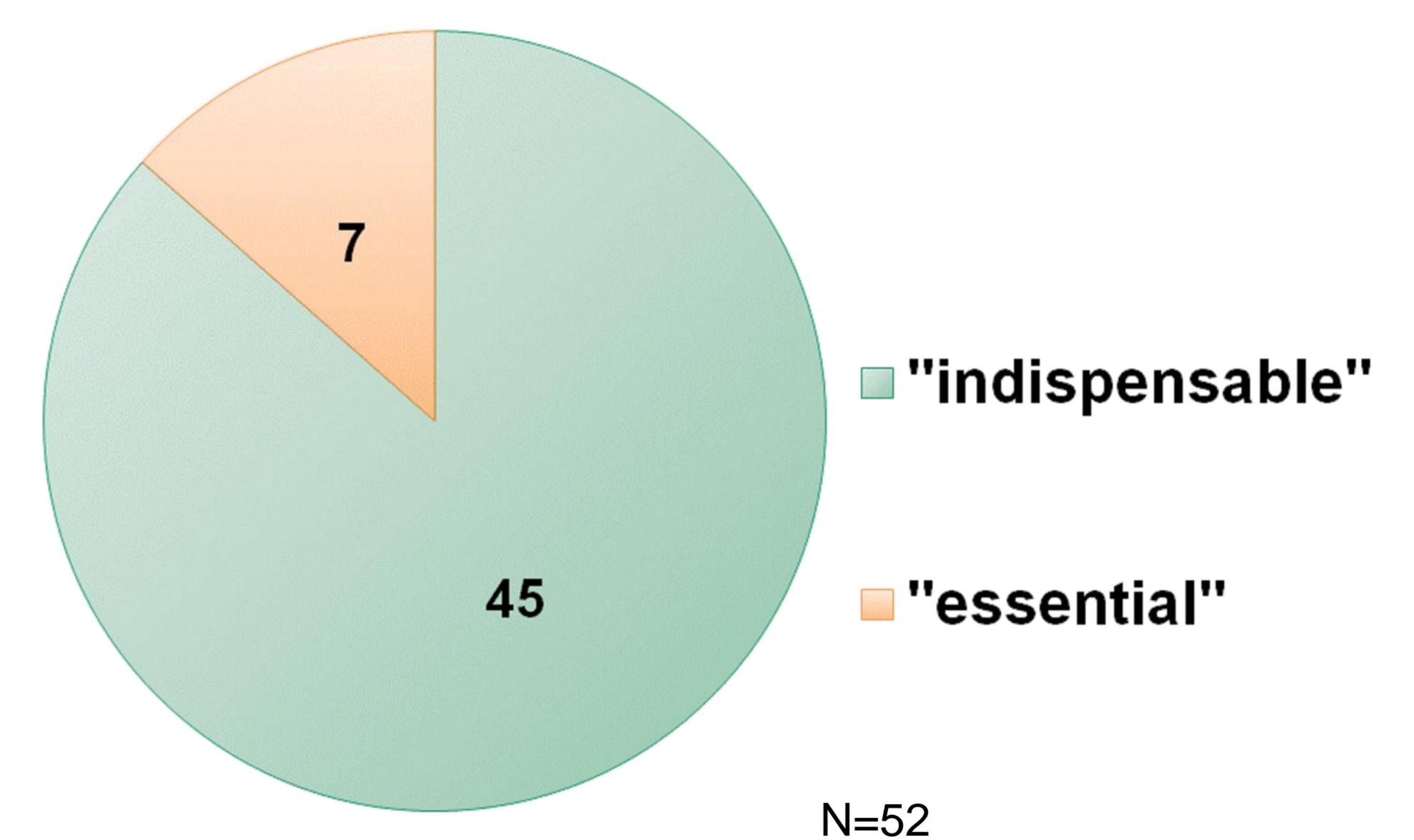
Evaluation criteria:

Level of agreement 1 « strongly disagree » to 5 « totally agree »

Prioritization 1 « indispensable » - 2 « essential » - 3 « desirable »



Prioritization



98% (134/137) items reached consensus regarding their content and formulation

39% (52) items reached priority consensus