

Patients & Trust in DHTs: Can We Do Better?

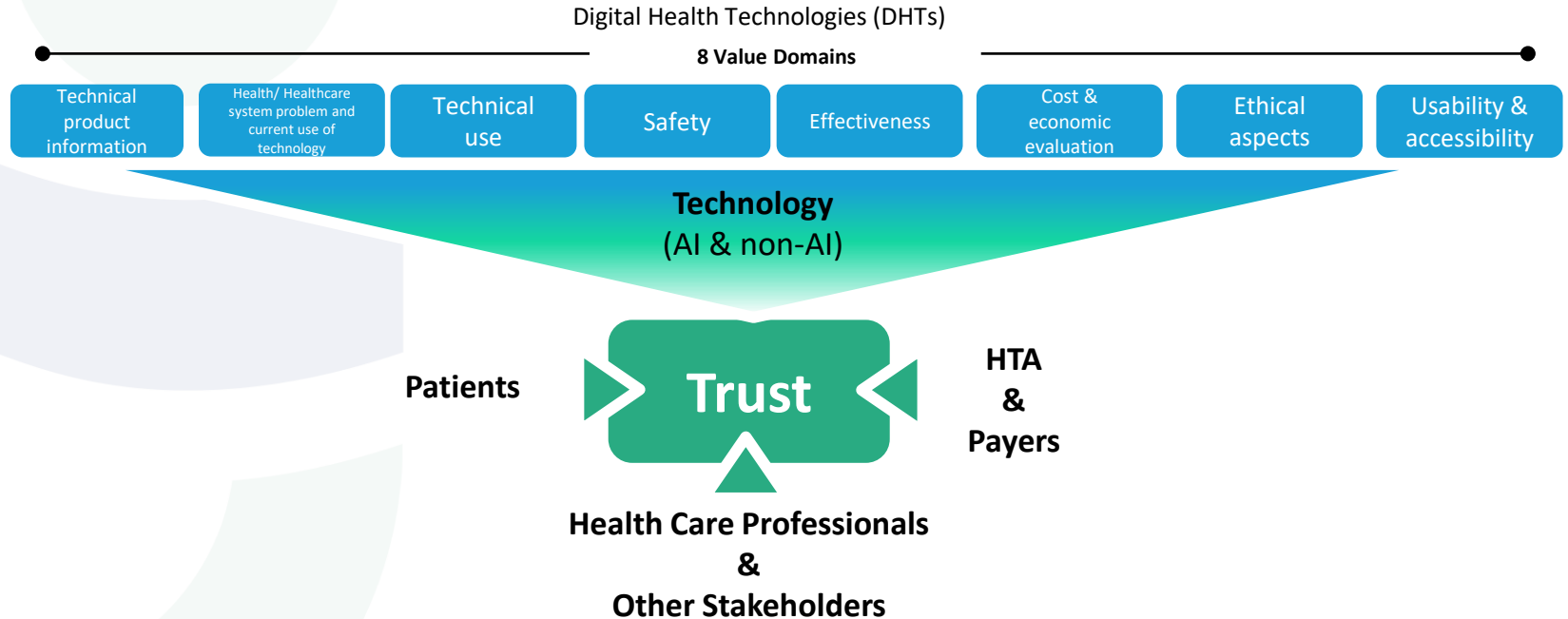
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DHTs = Digital Health Technologies & their primary Users, Healthcare Providers

Building Trust in DHTs

Developing fit-for-purpose frameworks for healthcare systems



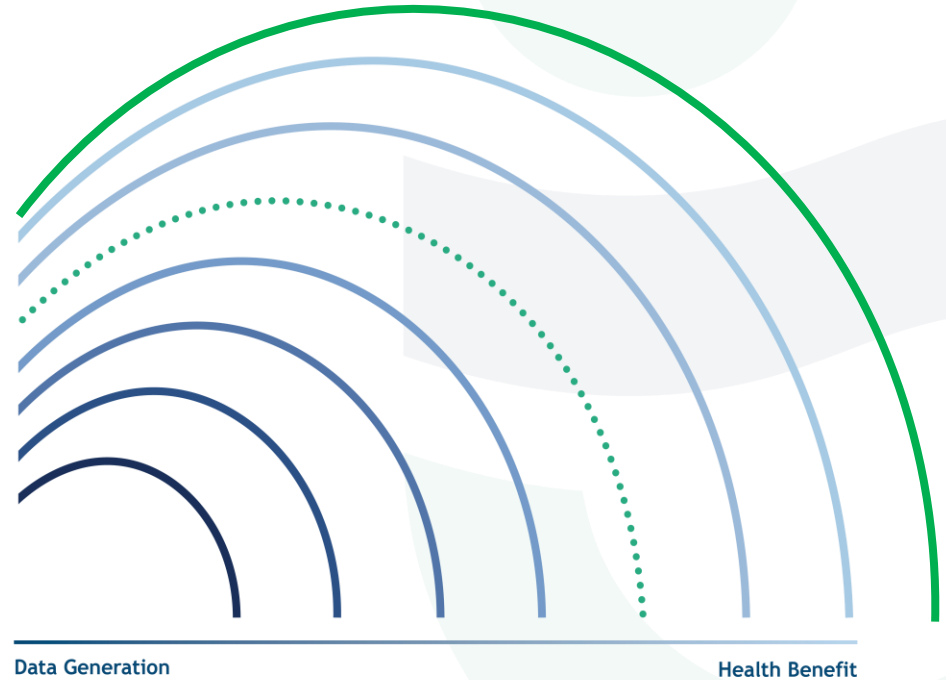
Health Care Professionals including clinicians, nurses and others.

Other Stakeholders include technologists, medical device companies, hospitals, governments and others

Conditions of Innovation in Digital Health

Governance

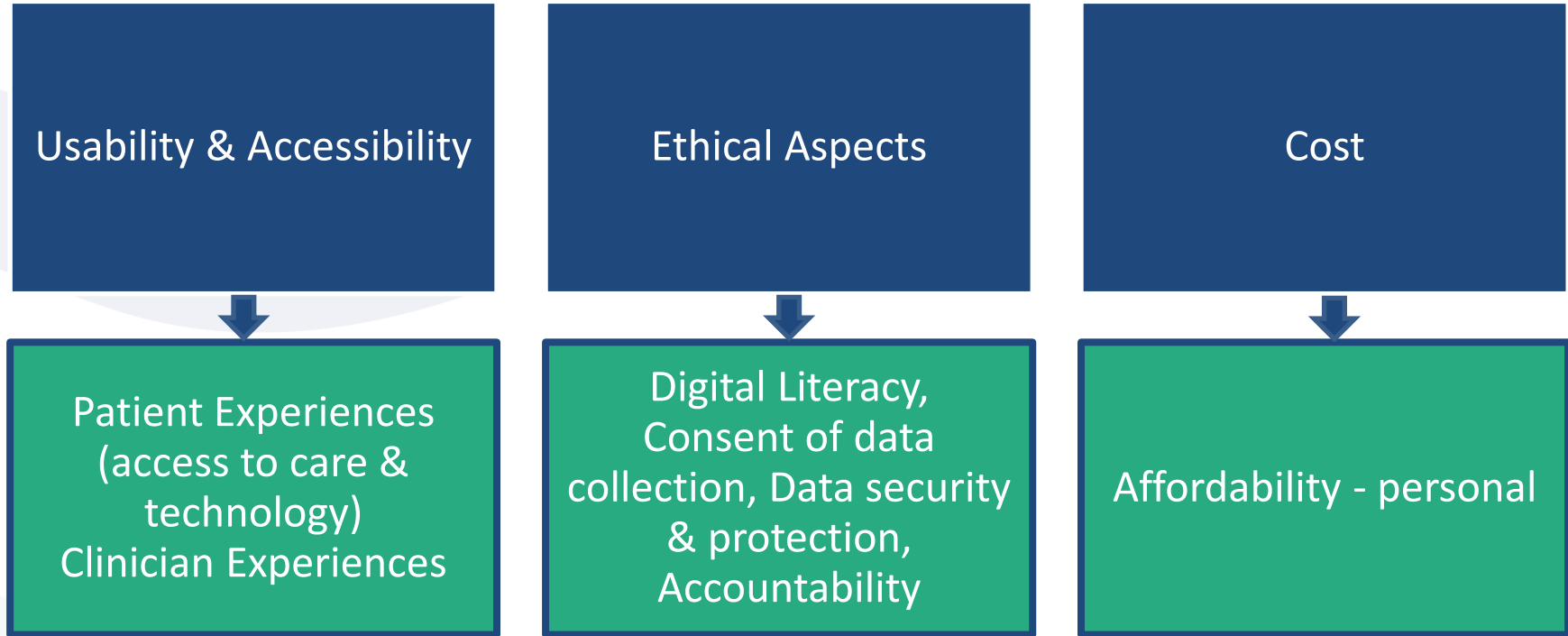
Value
Patient Experience
Clinician Experience
Trust
Evidence
Accountability
Data Protection
Data Generation



* Value to Assessor or Payer for funding and reimbursement purposes

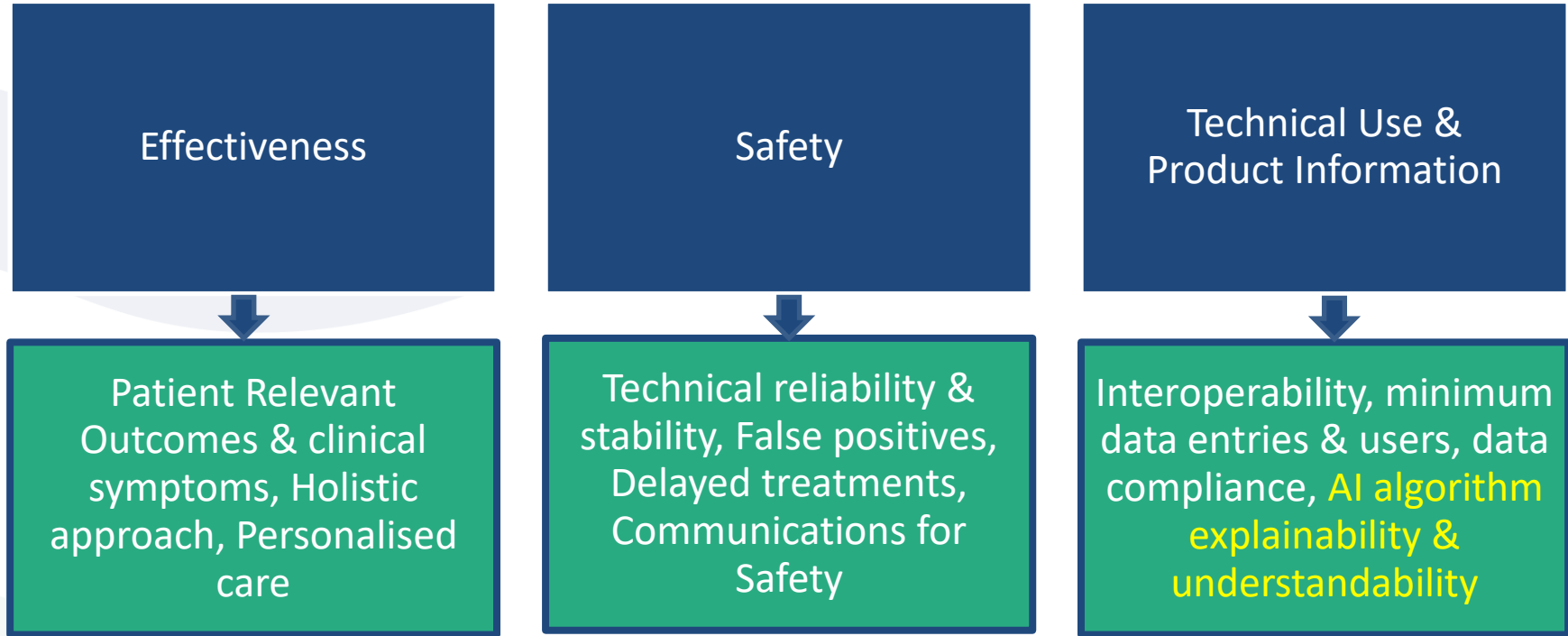
Value Domains & Sub domains: DHTs

Patients Perspectives



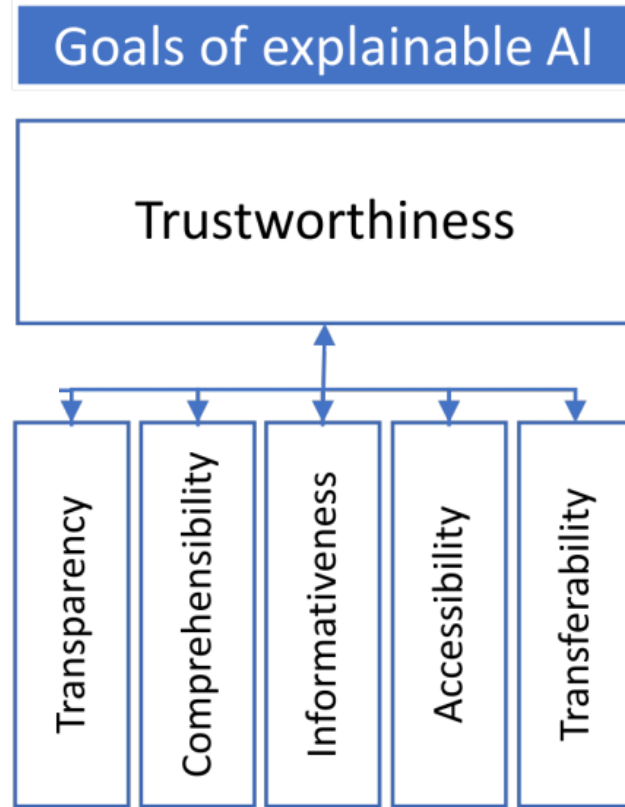
Value Domains & Sub domains: DHTs

Patients Perspectives



Schematic representation of achieving **trustworthy AI** in biomedicine, including clinical decision making

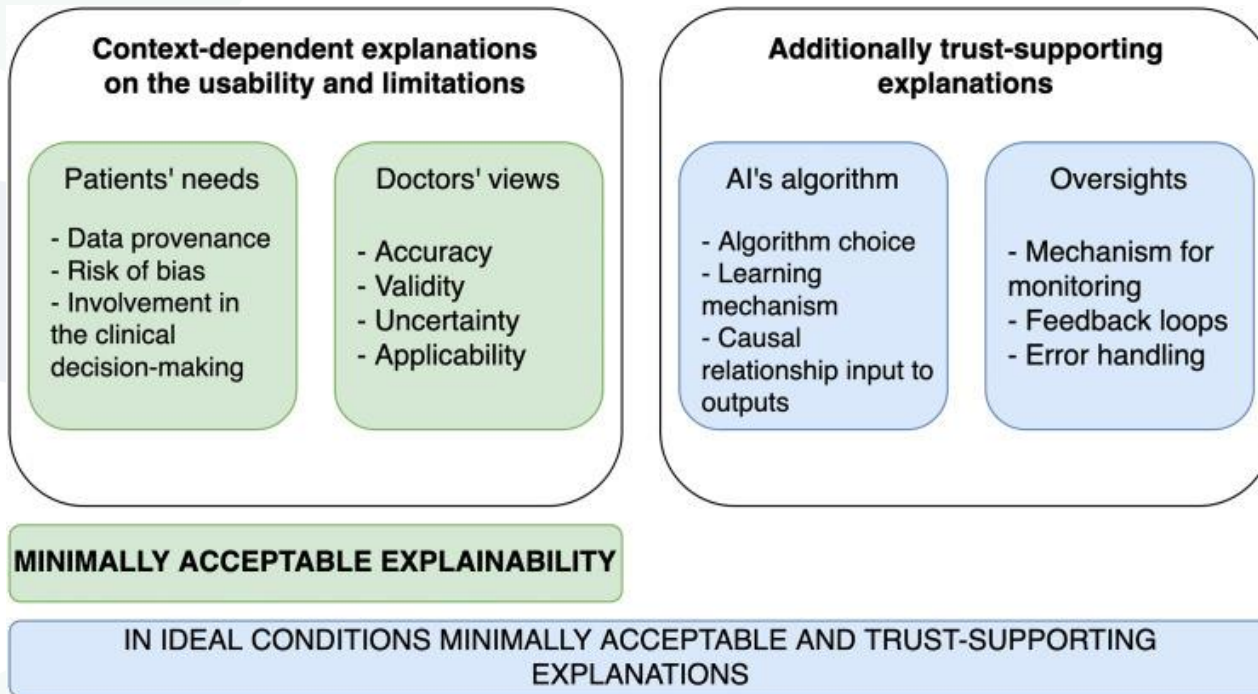
- **Users:**
 - Developers
 - **Clinicians or/ & Patients**
- **Beneficiaries:**
 - Patients &/or Clinicians
 - Hospitals, data scientists
 - Insurances & others



Adapted from Lötsch, J.; Kringel, D.; Ultsch, A. Explainable Artificial Intelligence (XAI) in Biomedicine. Making AI Decisions Trustworthy for Physicians and Patients. *Biomedinformatics* 2022, 2, 1–17.

Example on explainability criteria for the construction of sufficient understanding

Patient – Clinicians Relationships on AI Algorithms



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Thank You

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PANEL DISCUSSION

POLLING QUESTIONS



Q1. What is your main reason for wanting a successful reimbursement or funding & adoption of Digital Health Technologies in LMICs?

- where the primary user would be Health Care Providers.

Choose one response only

- Expand patient access to care
- Improve quality of care
- manage costs associated with providing care

Q2. What are the top 3 challenges for digital health innovation in LMICs? – especially, for their reimbursement or funding

Choose three responses only

- Data Generation
- Interoperability
- Data Protection
- Accountability (Roles & Responsibilities)
- Evidence
- Clinician Experience
- Patient Experience
- Societal & cultural beliefs
- Affordability



Q3. What are the 3 most important value domains for you when evaluating Digital Health Technologies for reimbursement or funding in LMICs?

Choose three responses only

- Health/healthcare system problem and current use of technology
- Technical product information and use
- Safety
- Effectiveness
- Cost & economic evaluation
- Ethical aspects
- Usability & accessibility

Q4. In LMICs, what evidence category is required to determine the value of Digital Health Technologies?

Choose one response only

- Minimum local evidence standards
- Best practice international standards

Q5. In the absence of randomised controlled trials, what types of data & data sources could be used as acceptable evidence for Digital Health Technologies in LMICs?

-for reimbursement or funding purposes.

Choose one response only

- Expert reports
- Surveys
- Observational Studies (eg cohort, case- control)
- Real World Data