

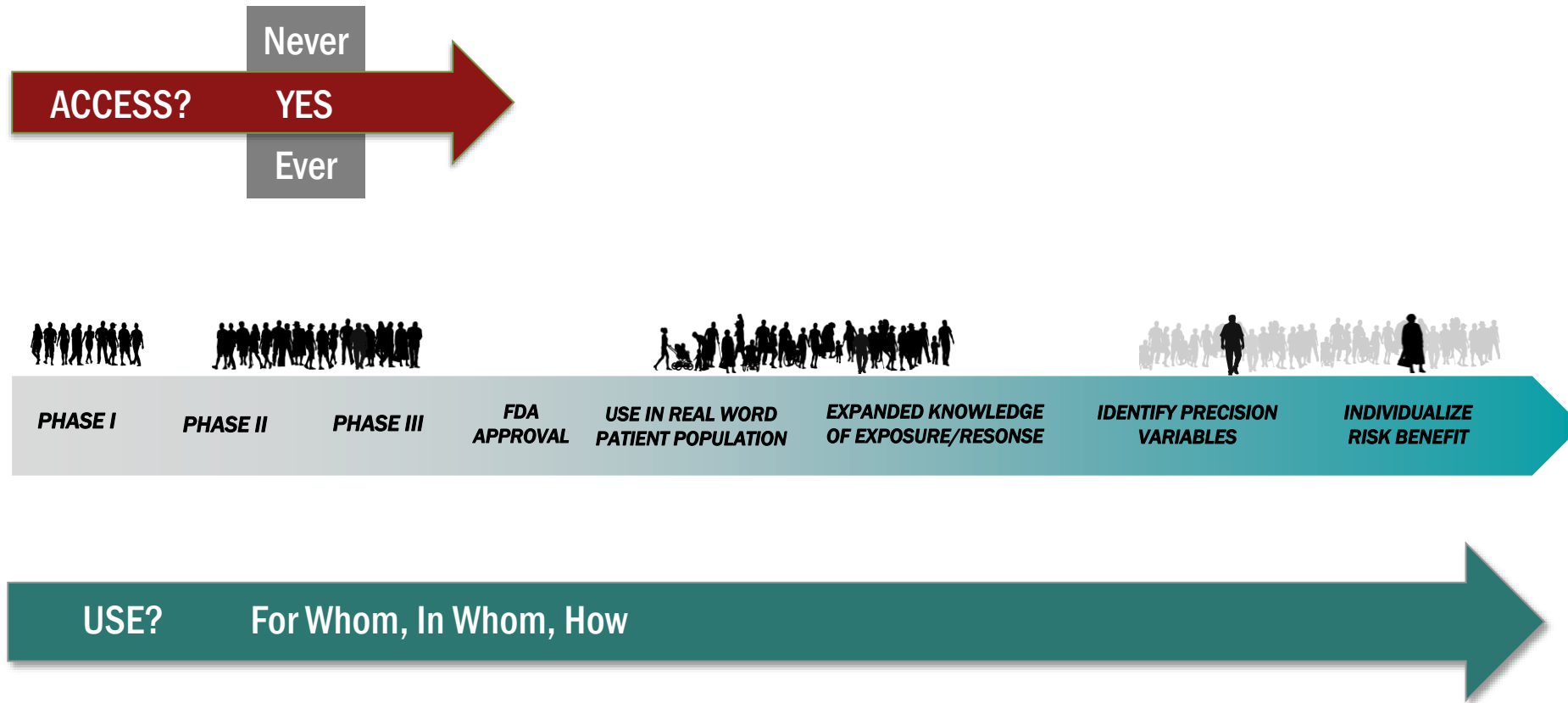


FDA OCP/MCERSI Workshop:

**Clinical Pharmacology
Guidances Advancing Drug
Development and
Regulatory Assessment:
Role and Opportunities**

May 8-9, 2024

Patient-Centered Regulatory Decision Making



Is Pharmaceutical R&D in Crisis?

Better than the Beatles



Basic Research / Brute Force



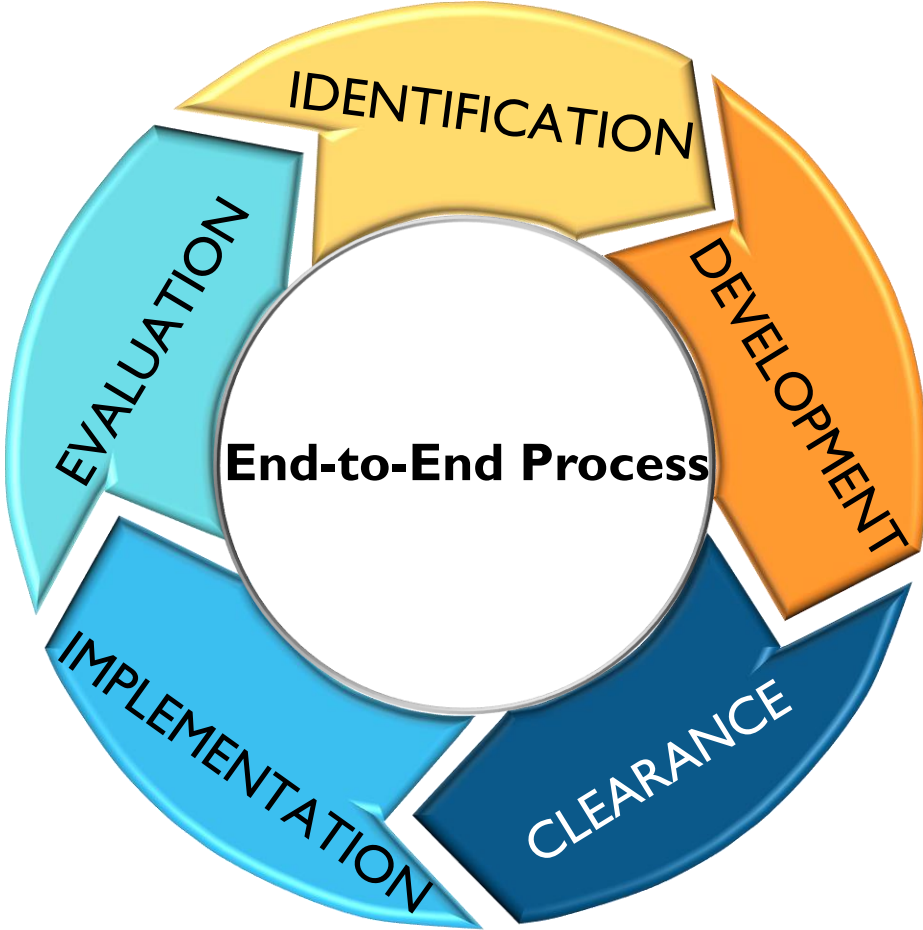
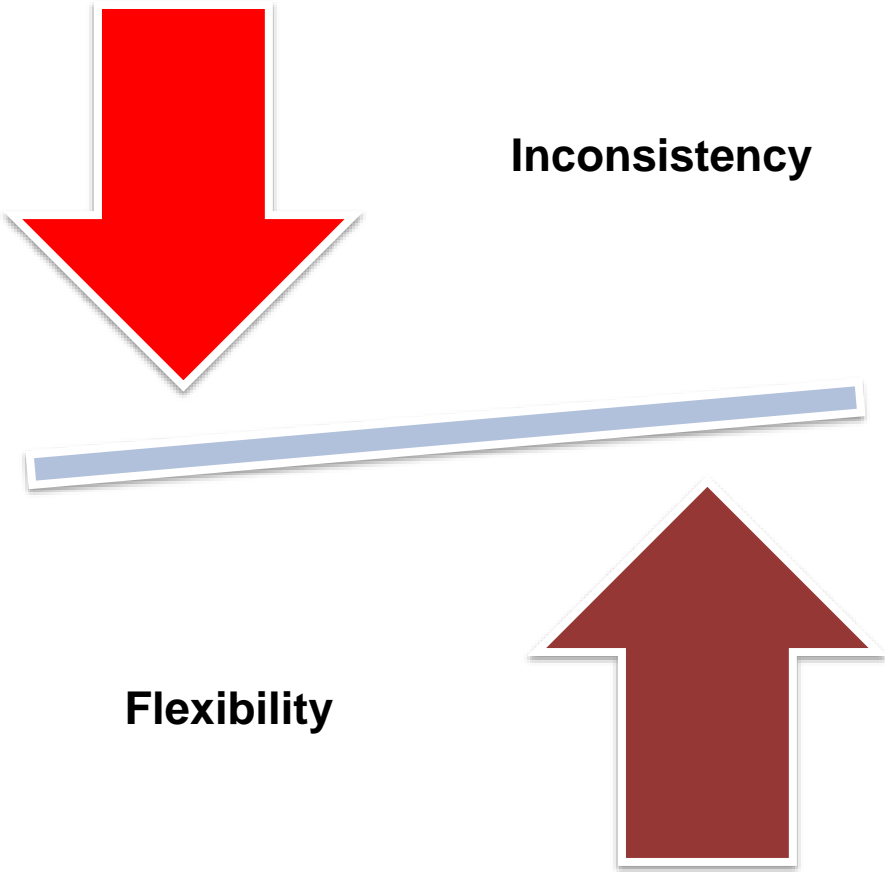
Throw Money at It



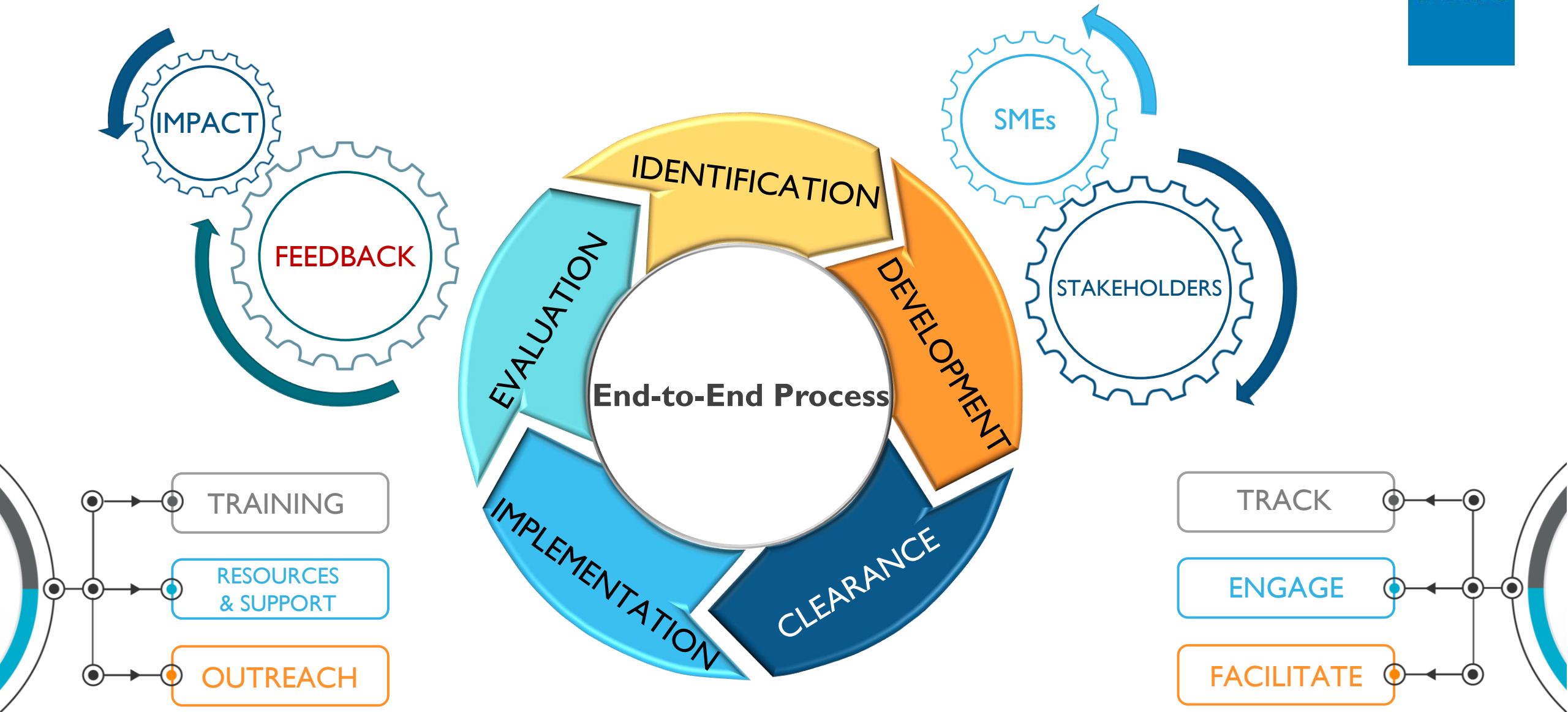
Cautious Regulator



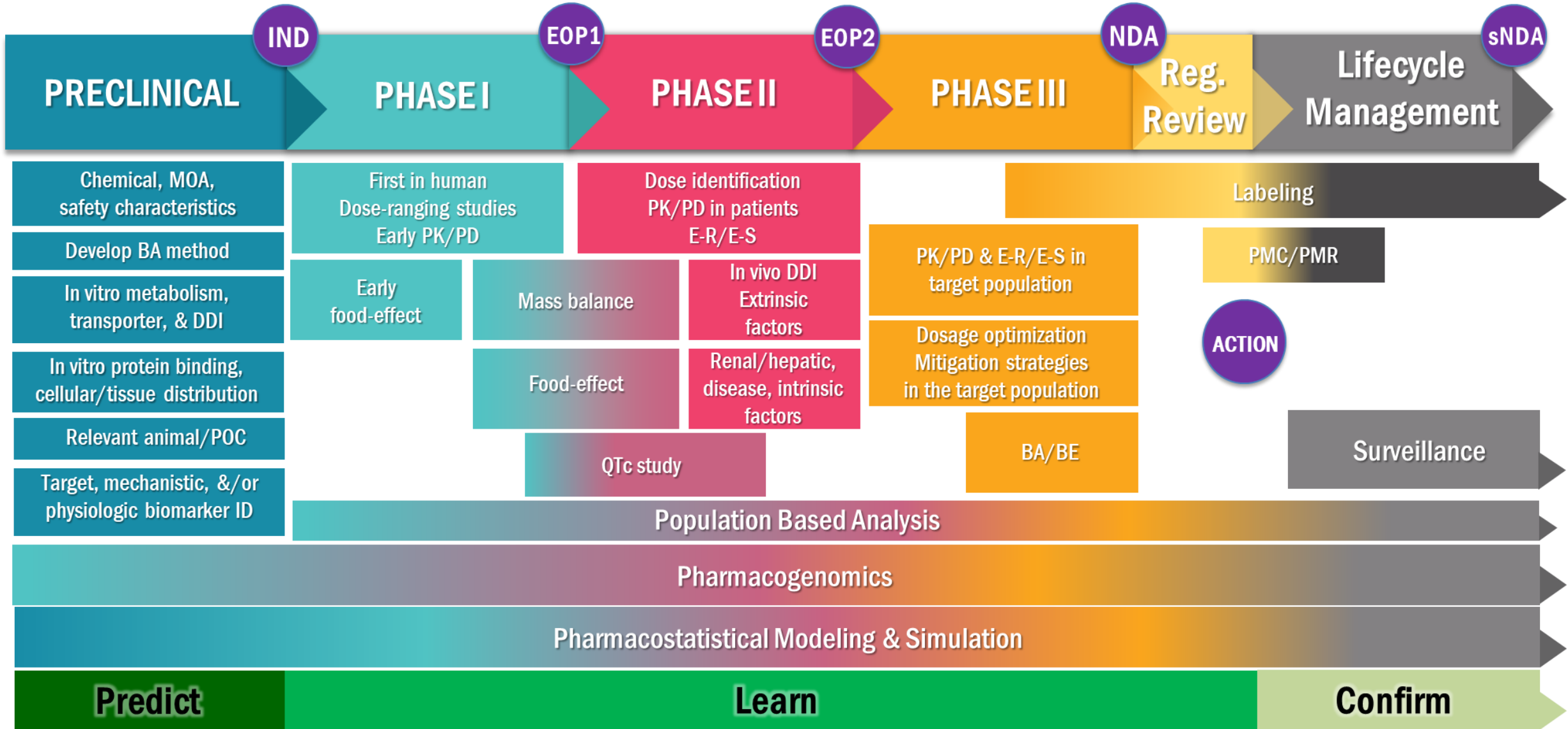
Guidance & Policy: Best Practices



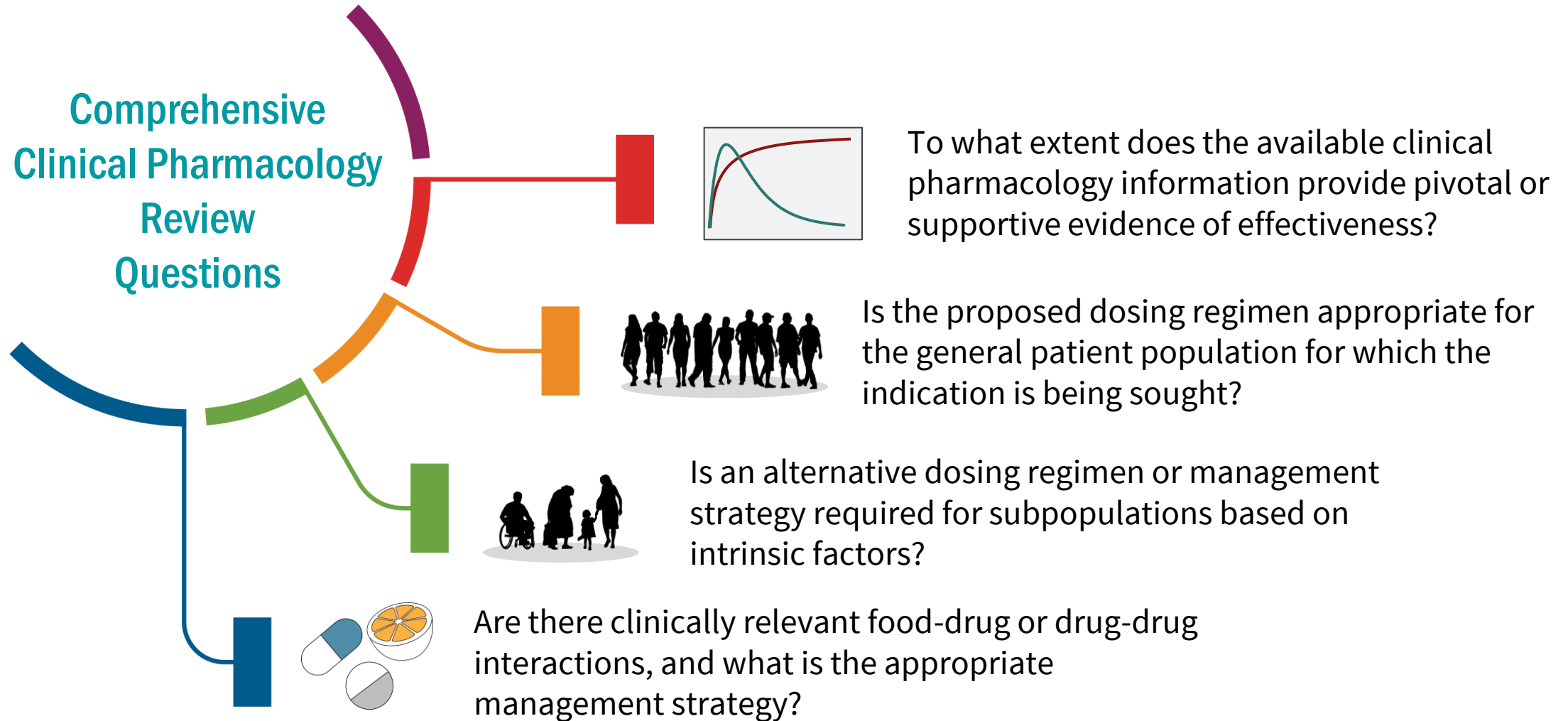
Guidance & Policy: A Community Effort



“Classical” Clinical Pharmacology



Clinical Pharmacology: Key Questions



Important Trends

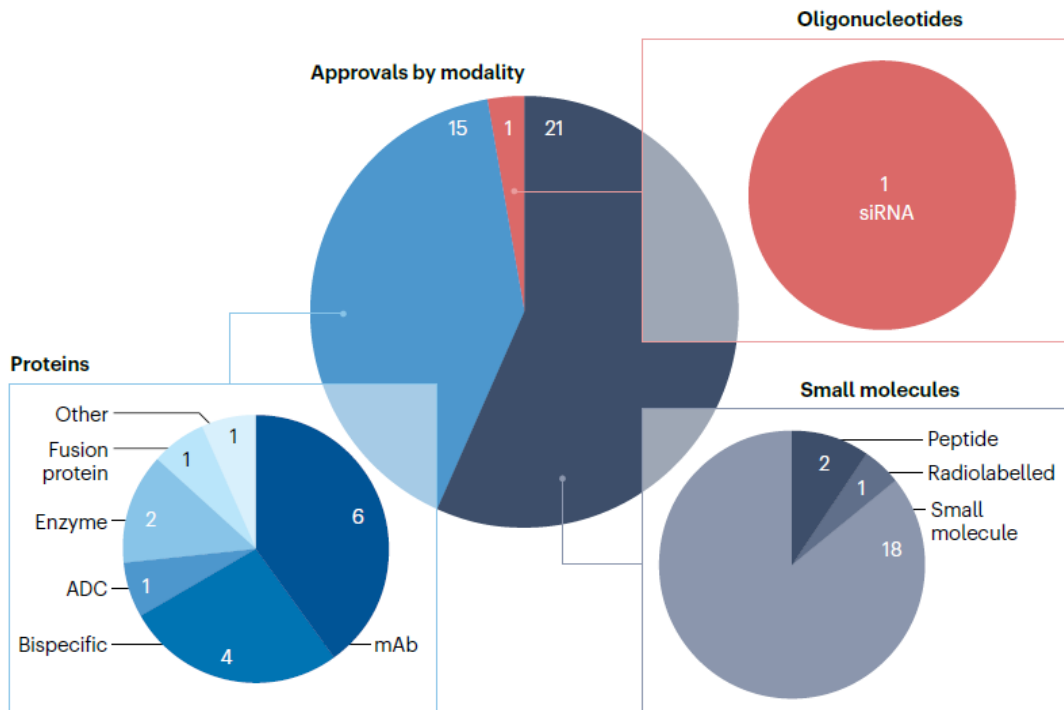


Fig. 3 | CDER approvals by modality. Small molecules, including peptides of up to 40 amino acids in length, and oligonucleotides are approved as new molecular entities (NMEs). Protein-based candidates are approved through biologics license applications (BLAs). ADC, antibody–drug conjugate; mAb, monoclonal antibody; siRNA, small interfering RNA. Source: *Nature Reviews Drug Discovery*.

Precision Medicine

Patient Voice

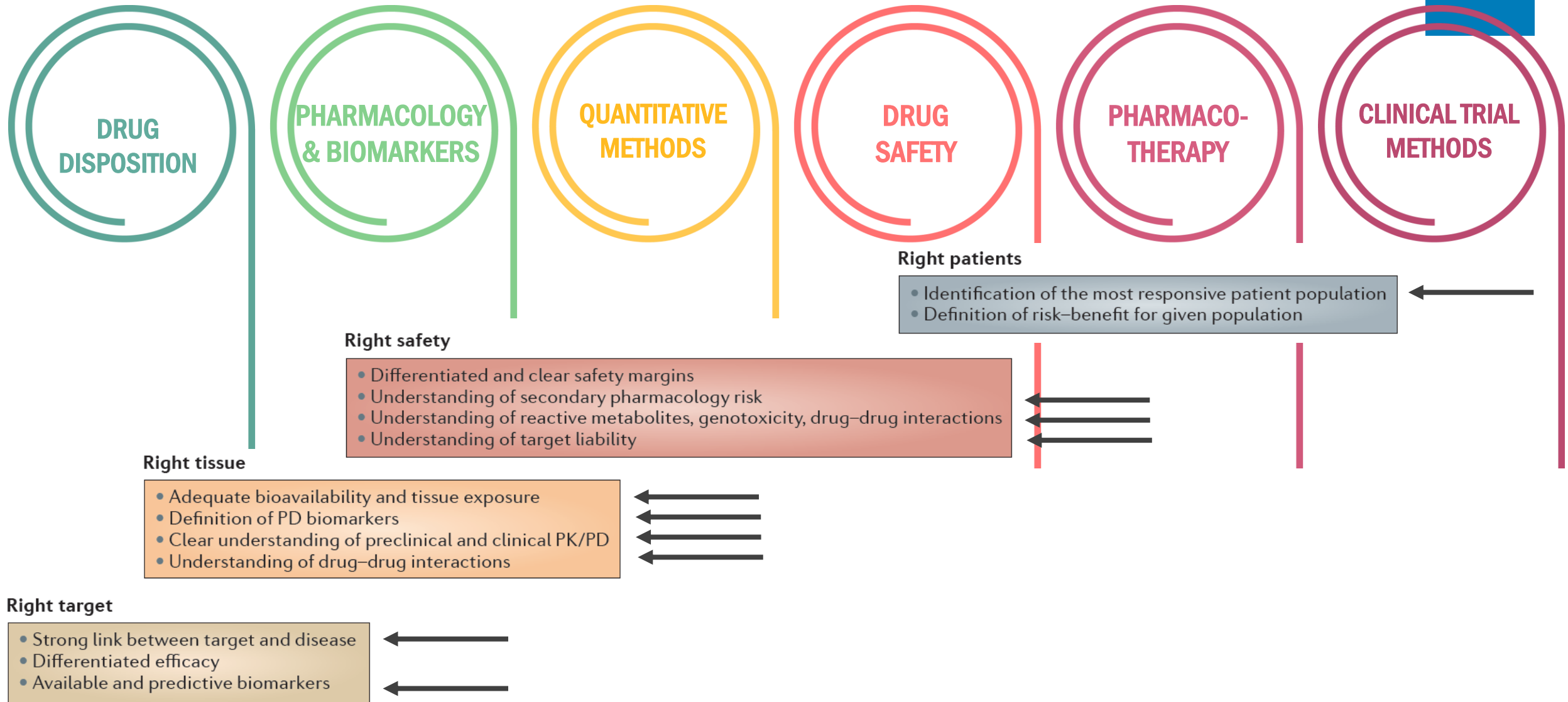
RWE

Rare Diseases

MIDD/CID

DDT Qualification

A Translational Approach



TRIAL PLANNING



- ▶ Patient Selection
- ▶ Dose Selection
- ▶ Response Measure Selection
- ▶ Trial Duration

INTEGRATION & REFINEMENT



Data,
Information,
Knowledge

DECISION SCIENCE



- ▶ Development Trajectory
- ▶ Regulatory Action



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