

THE LEARNING HEALTH SYSTEM

Forum on Traumatic Brain Injury

October 12, 2023

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National Academy of Medicine



NATIONAL ACADEMY OF MEDICINE

STRATEGY

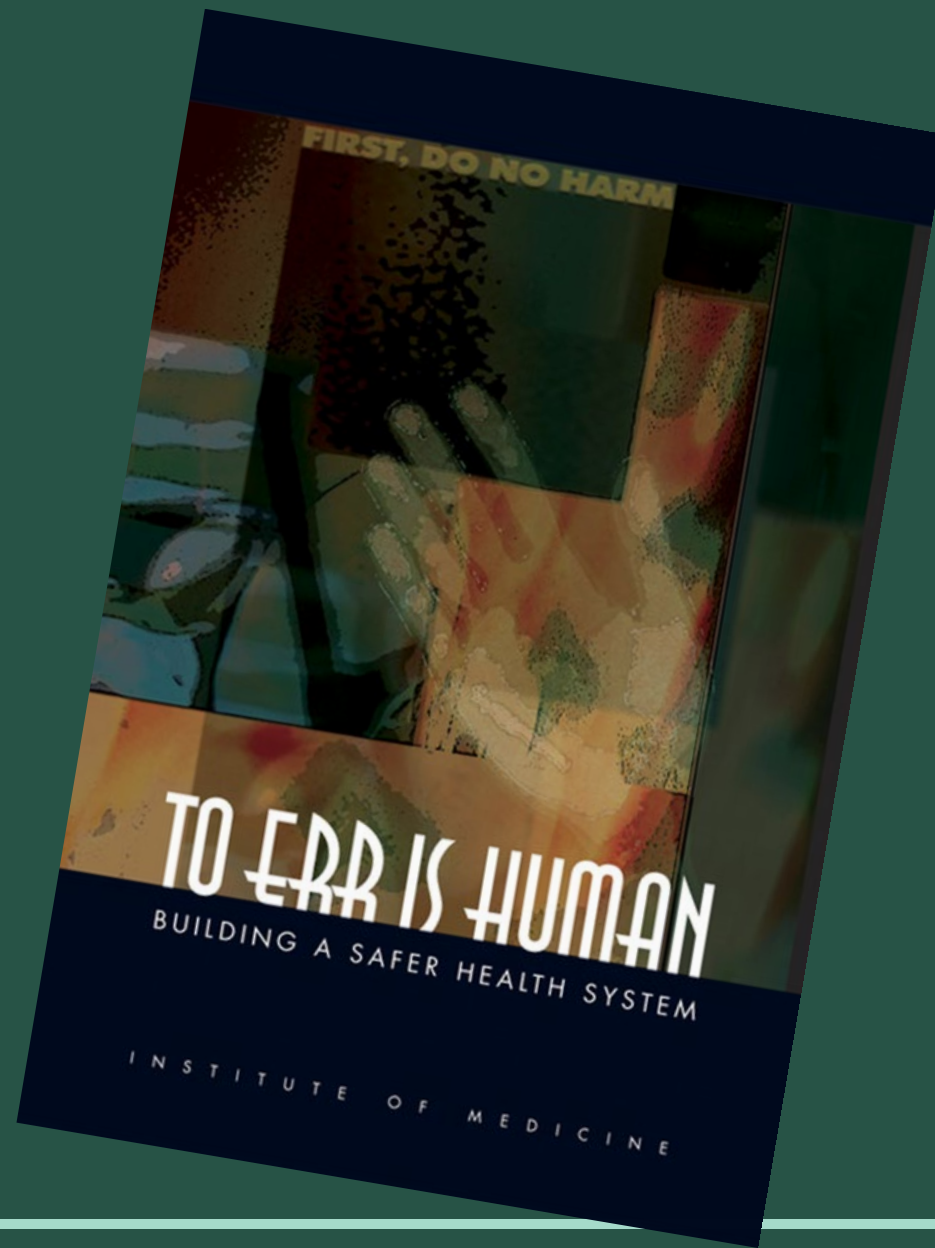
STATUS

OPPORTUNITY



STRATEGY





Core Principles

Patient-centered

Safe

Effective

Equitable

Efficient

Timely



Learning Health System

A health system in which **science, informatics, incentives,** and **culture** are aligned for continuous improvement, innovation, and equity—with best practices and discovery seamlessly embedded in the delivery process, individuals and families active participants in all elements, and new knowledge generated as an integral by-product of the delivery experience.





Culture
Inclusion & Equity
Action Collaborative

Digital Health
Action Collaborative

Value
Incentives & Systems
Action Collaborative

Evidence
Mobilization
Action Collaborative



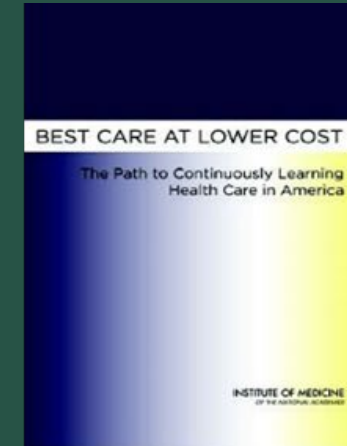
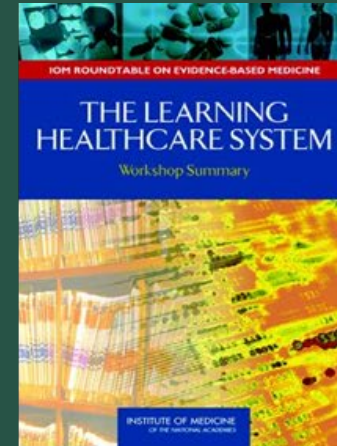
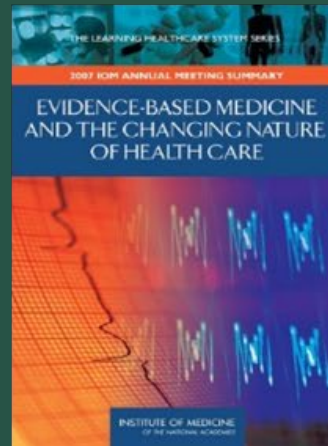
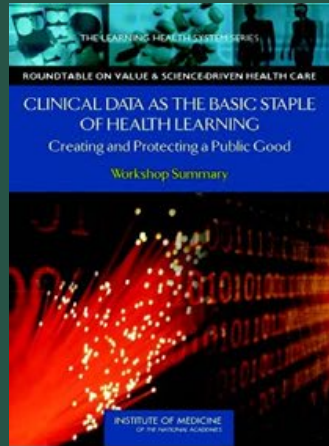
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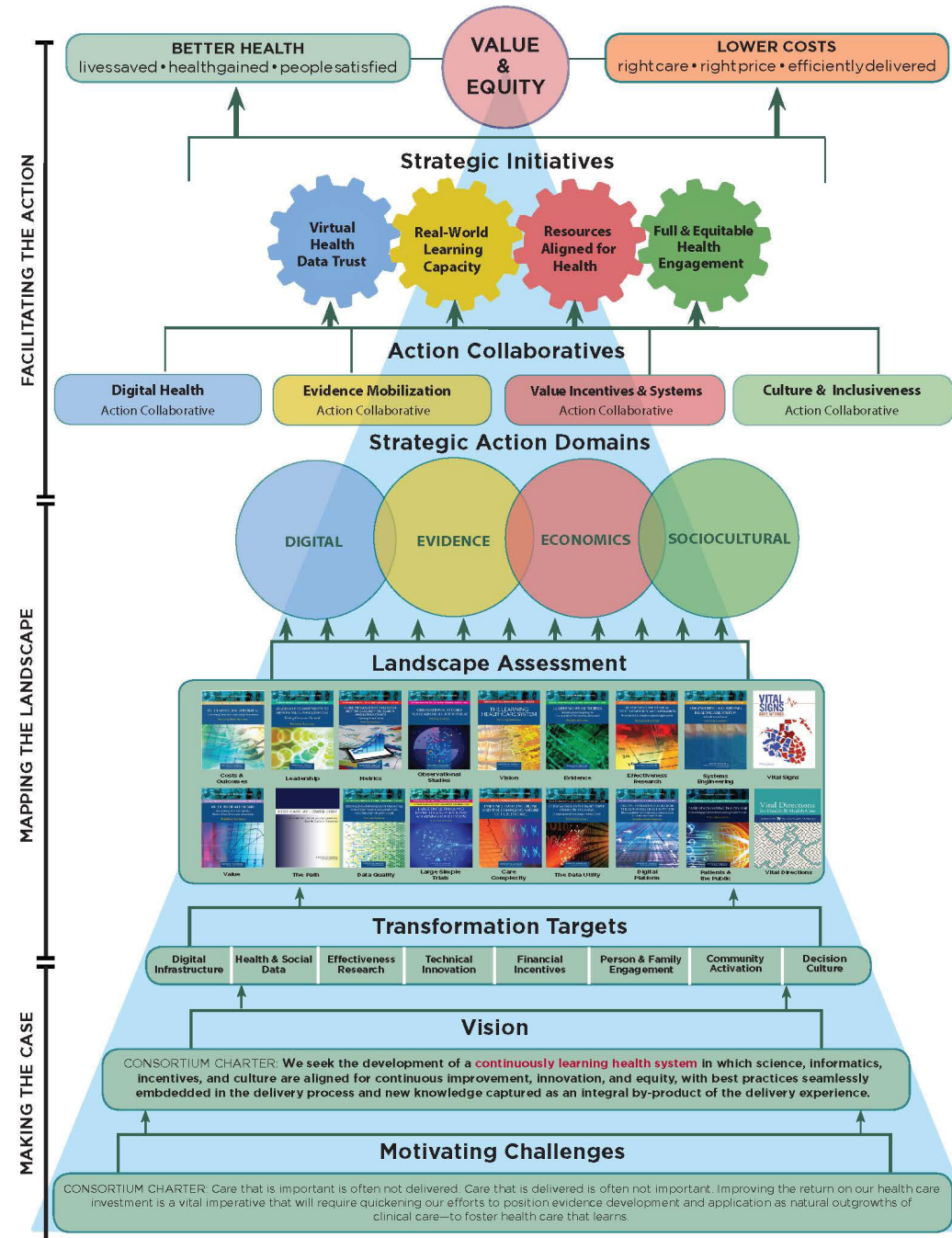
Transformation Targets

- Digital infrastructure
- Health & social data
- Effectiveness research
- Technical innovation
- Financial incentives
- Person & family engagement
- Community activation
- Decision culture

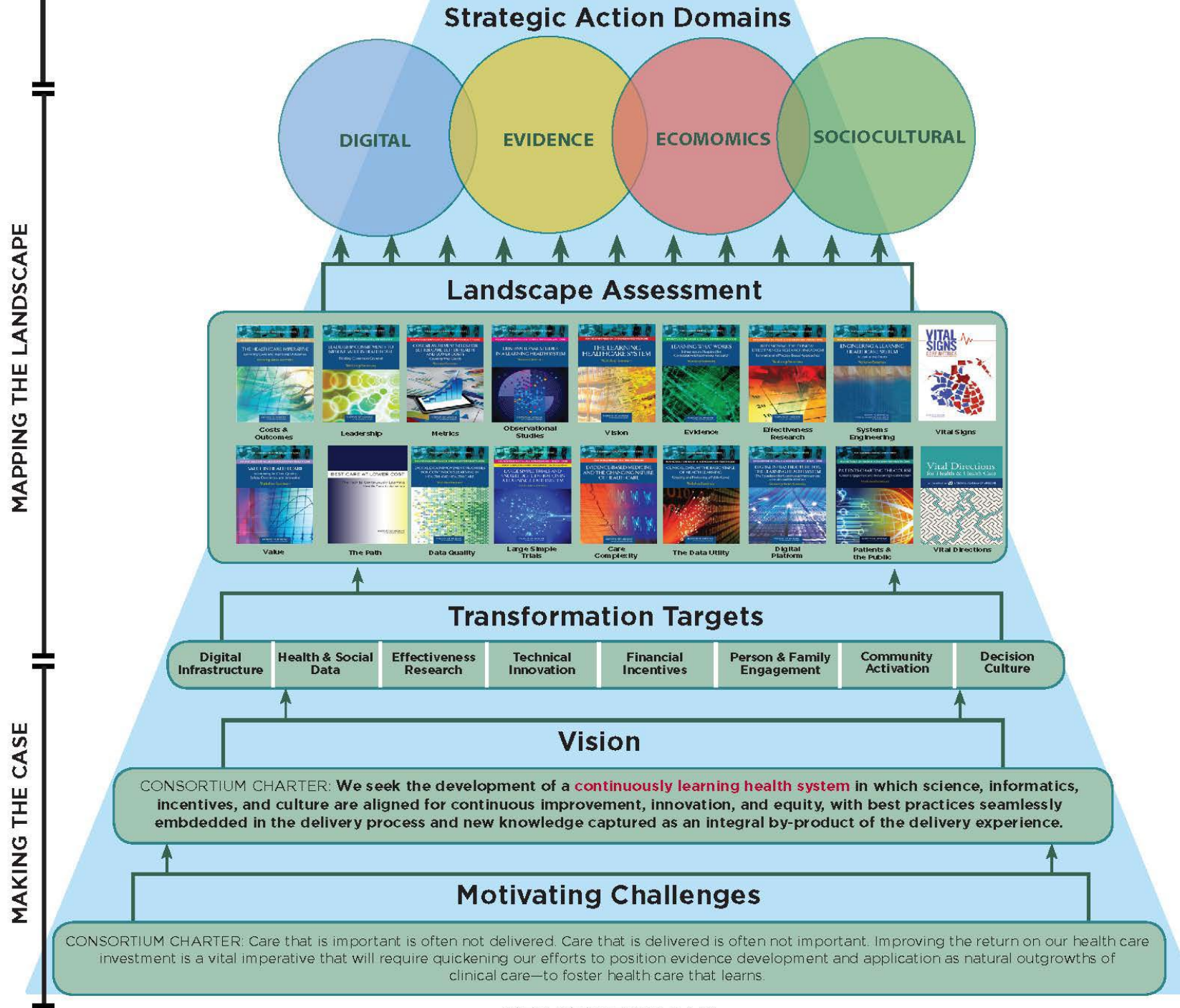


Learning Health System Series



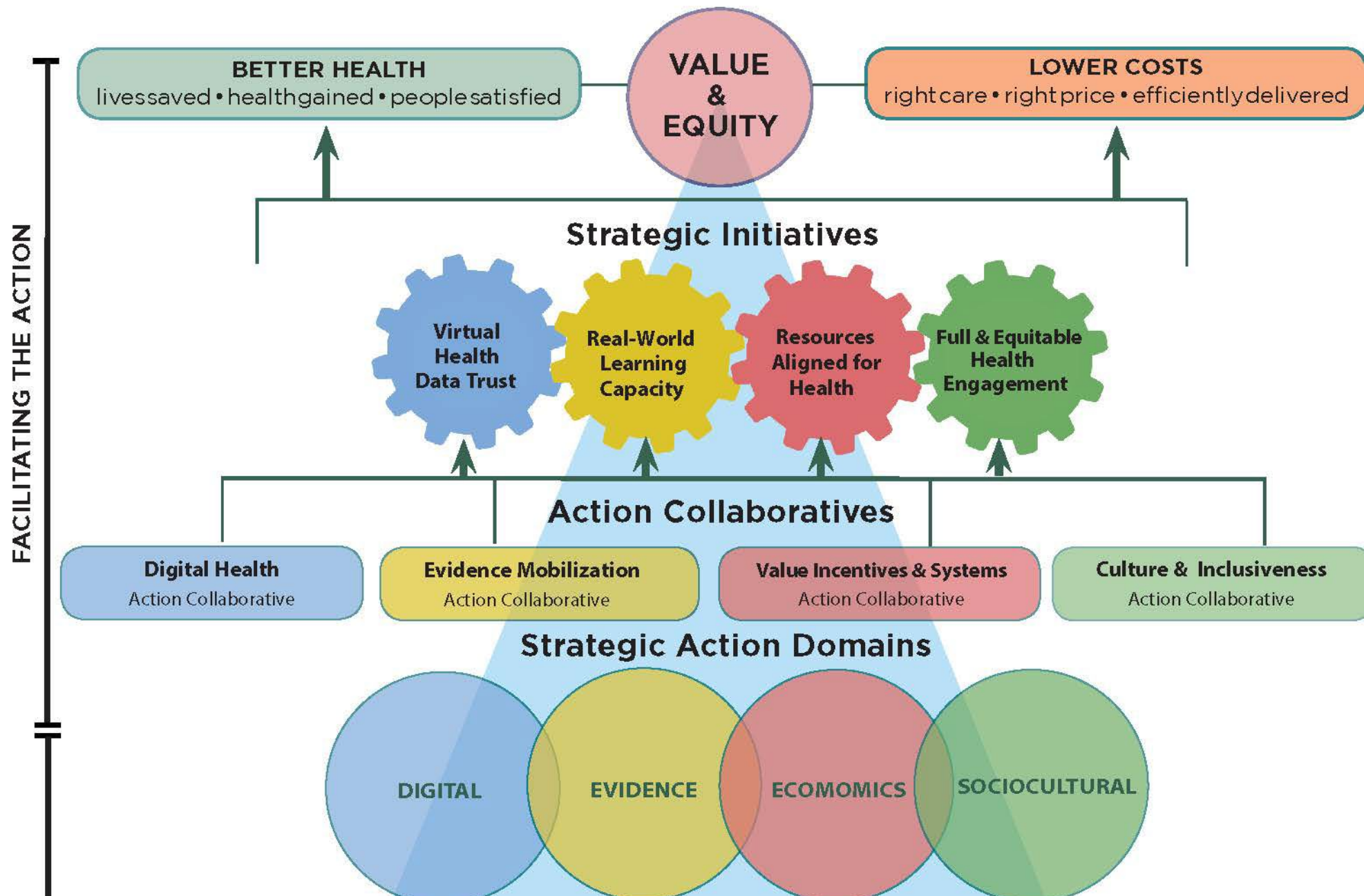


STRATEGY MAP



NAM LEADERSHIP CONSORTIUM

Collaboration for a Value & Science-Driven Learning Health System



STATUS



Core Principles

QUALITY CHASM

- ✓ Patient-centered
- ✓ Safe
- ✓ Effective
- ✓ Equitable
- ✓ Efficient
- ✓ Timely

LEARNING HEALTH SYSTEM

- ✓ Engaged
- ✓ Safe
- ✓ Effective
- ✓ Equitable
- ✓ Efficient
- ✓ Accessible
- ✓ Transparent
- ✓ Measurable
- ✓ Secure
- ✓ Adaptive



LEARNING HEALTH SYSTEM CORE PRINCIPLES

Shared commitments of Learning Health Organizations



ENGAGED

Informed engagement, options, and choices for people served



SAFE

Tested and updated protocols to protect from unintended harm



EFFECTIVE

Evidence-based services tailored to understanding of people's goals



EQUITABLE

Parity in opportunity to achieve desired health goals



EFFICIENT

Optimal outcomes for accessible resources



ACCESSIBLE

Effective services readily available where and when most needed



MEASURABLE

Reliable assessment of consequential activities and outcomes



TRANSPARENT

Clear information related to the nature, use, costs, and results of services



SECURE

Validated access and use safeguards for digitally-mediated activities



ADAPTIVE

Continuous learning and improvement core to organizational culture



NAM Leadership Consortium

Collaboration for a Value & Science-Driven Health System

Culture

Inclusion & Equity
Action Collaborative

CIEAC
Network

Digital Health

Action Collaborative

DHAC
Network

Value

Incentives & Systems
Action Collaborative

VISAC
Network

Evidence

Mobilization
Action Collaborative

EMAC
Network



OPPORTUNITY



Core principles adapted to DHAC

Engaged

Safe

Effective

Equitable

Efficient

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Transparent

Secure

Adaptive

Discretion on control and use of personal data resides with the individual or their designee.

Data stewardship protocols safeguard against use resulting in personal harm.

Data are collected and maintained according to validated stewardship protocols.

Data systems are designed to identify and counter bias or disparities.

Each digital acquisition or service license enhances health system interoperability.

Data are available when, where, and on devices most proximate to decisions.

Digital health performance is continuously monitored for accuracy and interoperability.

Personal data sources and uses are evident, including as to context.

Data sharing protocols are transparent and considered secure by users.

Data strategies are regularly calibrated to ensure continuity, currency, and utility.



Core principles adapted to EMAC

Engaged

Individual circumstances and personal goals shape health and health care.

Safe

Health services and research contain safeguards against unintended harm.

Effective

Health services delivered reflect and enhance the evidence base.

Equitable

Evidence is developed and applied with care and standards to eliminate bias.

Efficient

Evidence is developed and applied using resource optimization strategies.

Accessible

Best evidence is available at the point of choice to guide health services delivery.

Measurable

Health services delivered are digitally recorded and assessed for continuous learning.

Transparent

Evidence generated is open and accountable as to source, strength, and applicability.

Secure

Services and results are tracked, reported, and stored with validated safeguards.

Adaptive

Evidence algorithms and service protocols reflect the evolving knowledge base.



Evidence

Informatics

Incentives

Culture

Engaged

Safe

Effective

Equitable

Efficient

Accessible

Measurable

Transparent

Secure

Adaptive



Context: COVID-19 Sector Impact Assessments



Clinicians



Health care payers



Research



Patients, families, and communities



Public health



Digital health



Care systems



Quality, safety and standards organizations



Health product manufacturers and innovators



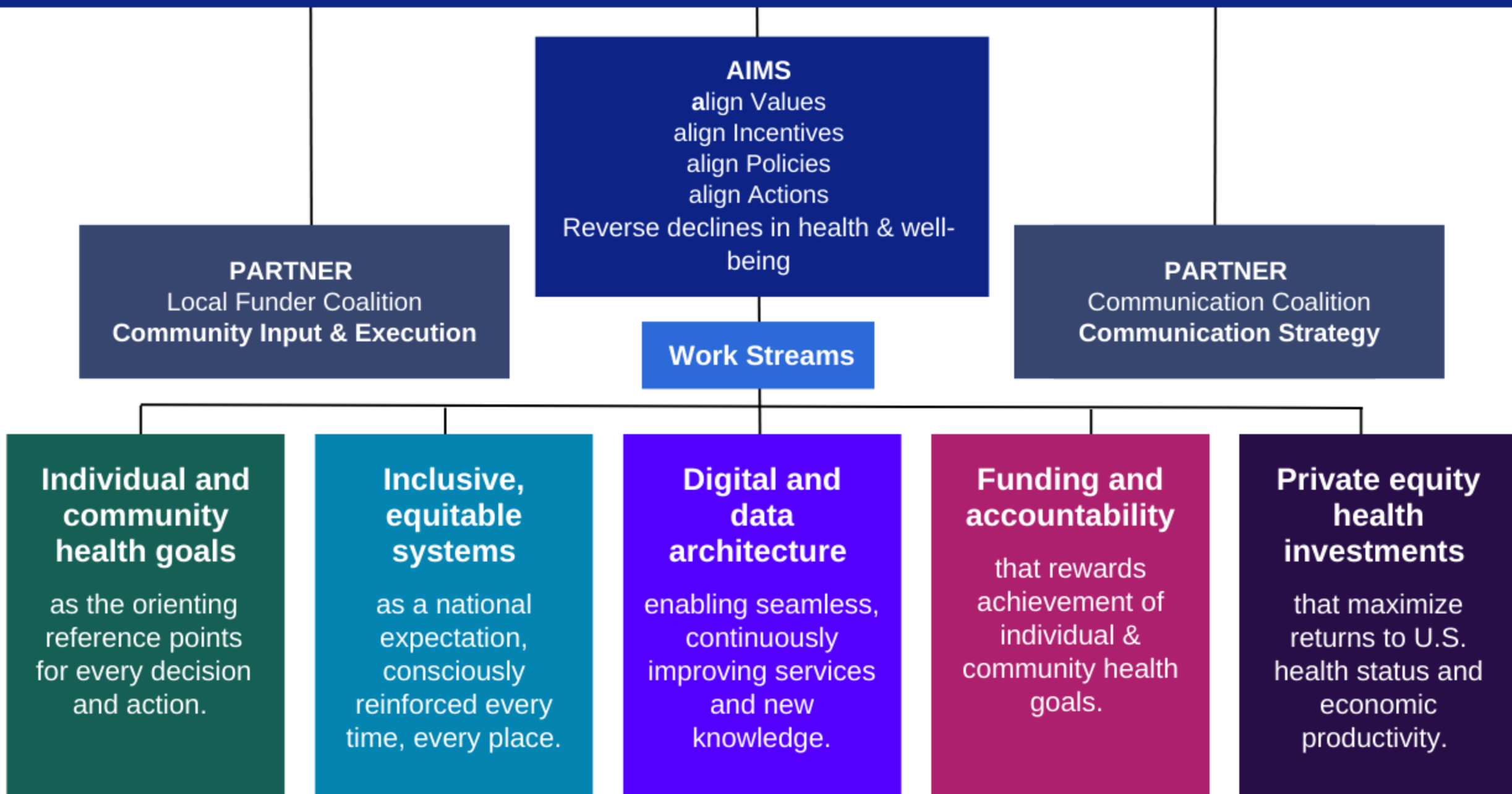
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COMMISSION ON INVESTMENT IMPERATIVES FOR A HEALTHY NATION





NAM Leadership
Consortium

Collaboration for a Learning Health System

**Learning
Health System**

**Action
Collaboratives**

**National
Commission**

**Common
Commitments**

**Engaging
Fundamentals**

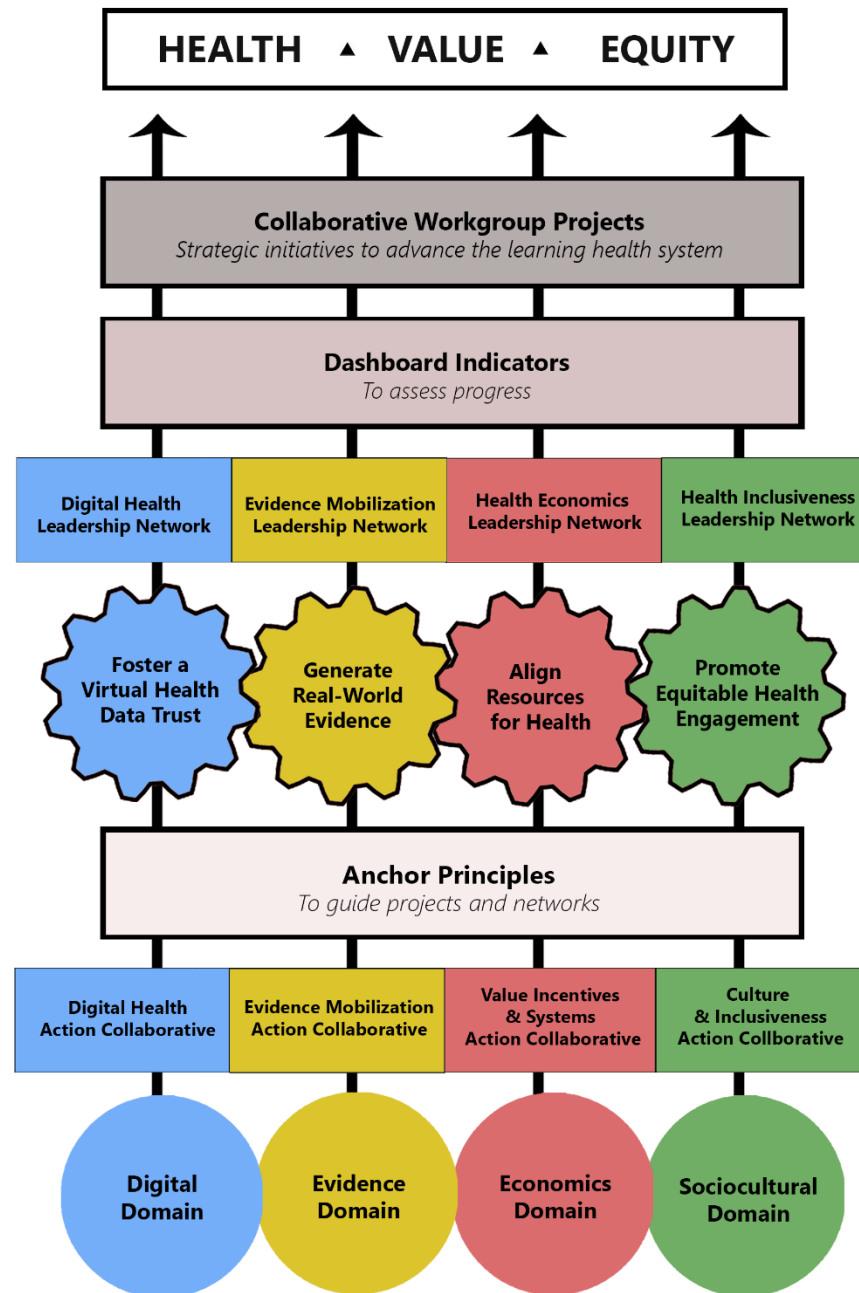
**Securing
Futures**



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Operating Model

