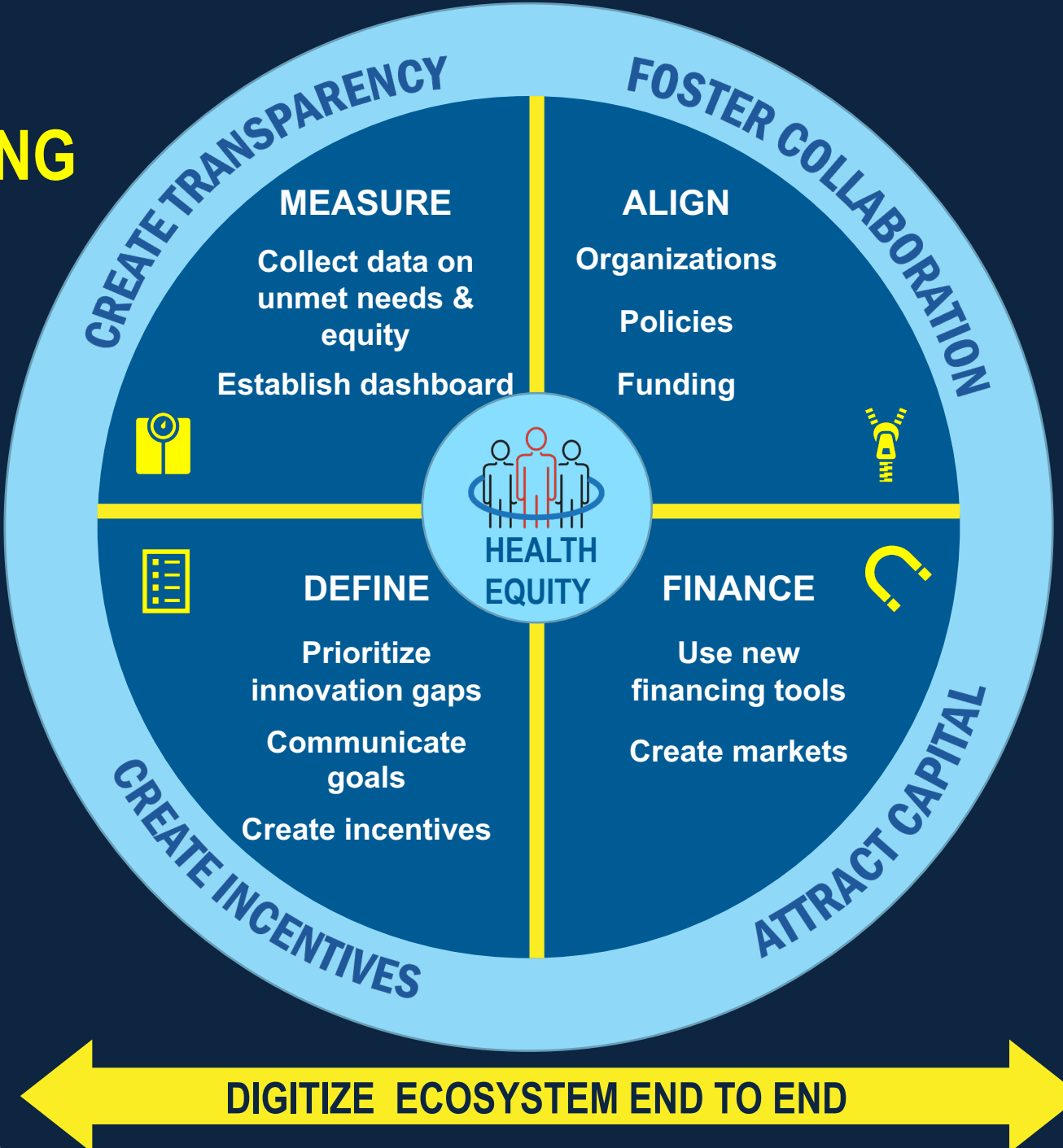


MITRE'S SYSTEM-LEVEL FRAMEWORK FOR ACCELERATING BIOMEDICAL INNOVATION



MITRE's Recommendations for ARPA-H to Accelerate Biomedical Innovation

Support the health innovation ecosystem by developing and applying **standardized measures** for the health innovation ecosystem and creating an **executive-level dashboard** that permits ARPA-H decisionmakers to **model** the pipeline of health innovations, evaluate **scenarios** to inform regulatory and funding decisions, and project **impact** on health outcomes, value, and access.

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October 2021

Topics: Modeling and Simulation, Disease Outbreaks, Public Health, Decision support

Erin Williams, The MITRE Corporation
Jennifer Madsen, The MITRE Corporation
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2. Define

Define federal government priorities using a **data-driven** method to identify **innovation gaps**, communicate priorities transparently using Target Product Profiles, and use payment policy in federal programs such as Medicare and Medicaid to apply **“pull” incentives** to encourage innovators to fill other pressing gaps.

3. Align

Align policies, practices, priorities, and objectives with an **executive-level Policy Committee**; ARPA-H **engagement** across sectors, interests, and communities; and a **“front door” path** for innovators to foster partnerships.

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4. Finance

Enable ARPA-H to **attract private capital** to federal government innovation priorities by constructing innovation **investment funds**, creating a **secondary market** for products with favorable outcomes that were deprioritized due to lower profit, and partnering with **social impact** investors.

5. Digitize

Position ARPA-H to benefit from a coordinated, **digital ecosystem** that supports increased access to, and ultimate use of, information for an **equitable** view of health that empowers individuals and communities.