California Data Expo

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5/4/2022

California Harnesses its Data

First ever Data Exchange Framework

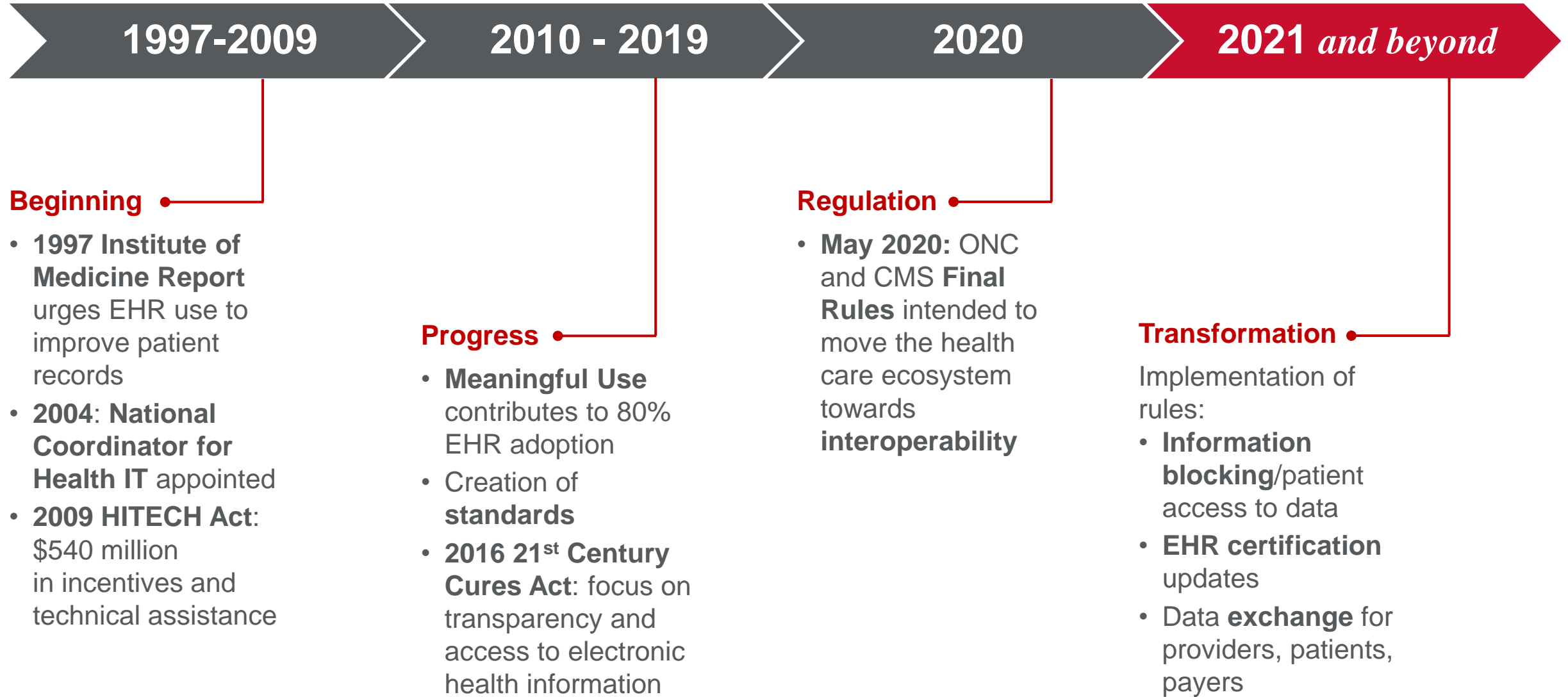**California Health and Human Services Data Exchange Framework** — A single data sharing agreement and common set of policies and procedures that will govern the exchange of health information among health care entities and government agencies beginning in June 2024

CENTER FOR DATA INSIGHTS AND INNOVATION
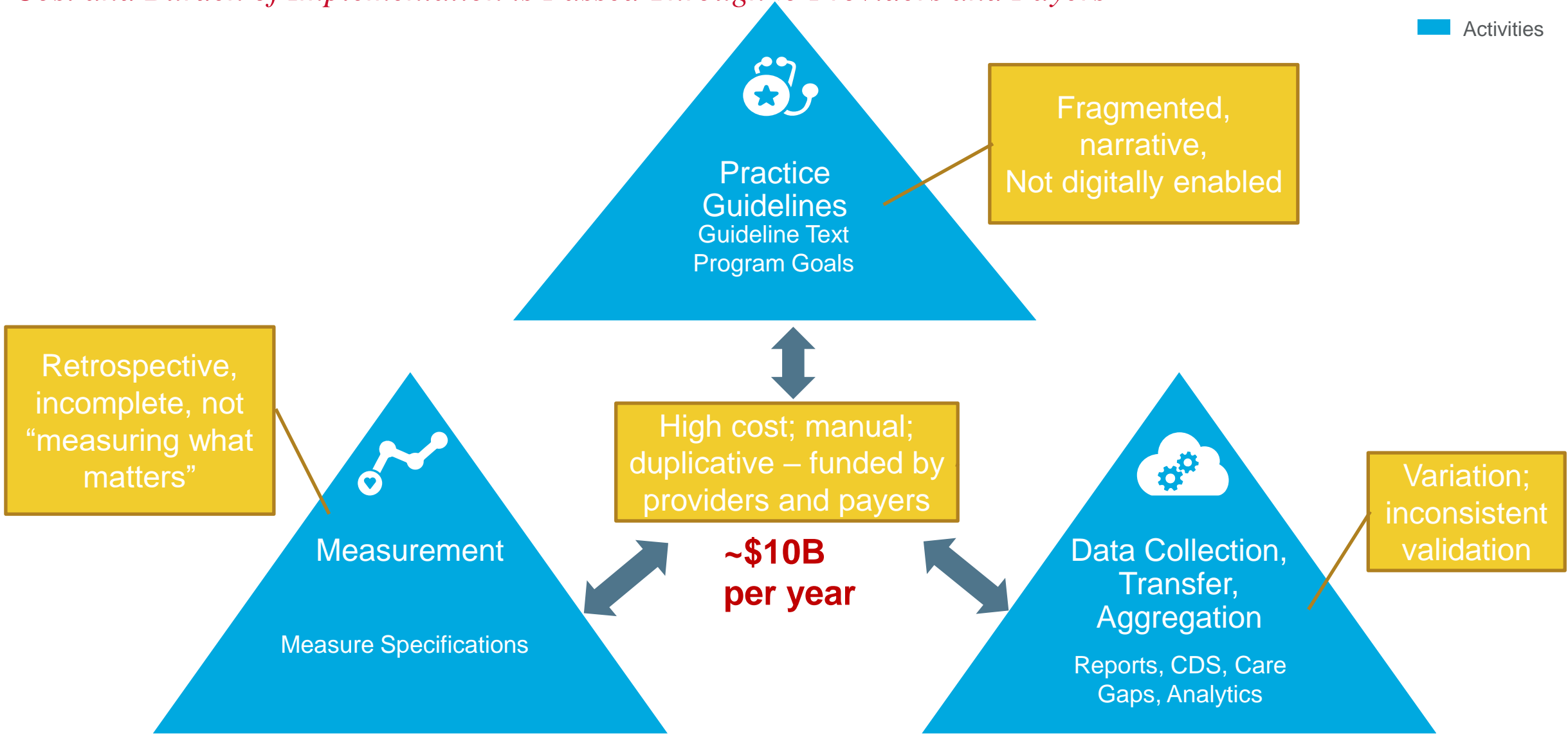
CALIFORNIA HEALTH & HUMAN SERVICES AGENCY

NCQA

A Journey Towards Interoperability

1997-2009	2010 - 2019	2020	2021 *and beyond*

Beginning

- **1997 Institute of Medicine Report** urges EHR use to improve patient records
- **2004**: **National Coordinator for Health IT** appointed
- **2009 HITECH Act**: $540 million in incentives and technical assistance

Progress

- **Meaningful Use** contributes to 80% EHR adoption
- Creation of **standards**
- **2016 21st Century Cures Act**: focus on transparency and access to electronic health information

Regulation

- **May 2020:** ONC and CMS **Final Rules** intended to move the health care ecosystem towards **interoperability**

Transformation

Implementation of rules:
- **Information blocking**/patient access to data
- **EHR certification** updates
- Data **exchange** for providers, patients, payers

Quality-related Activities Today – Separate and Disconnected

Cost and Burden of Implementation is Passed Through to Providers and Payers
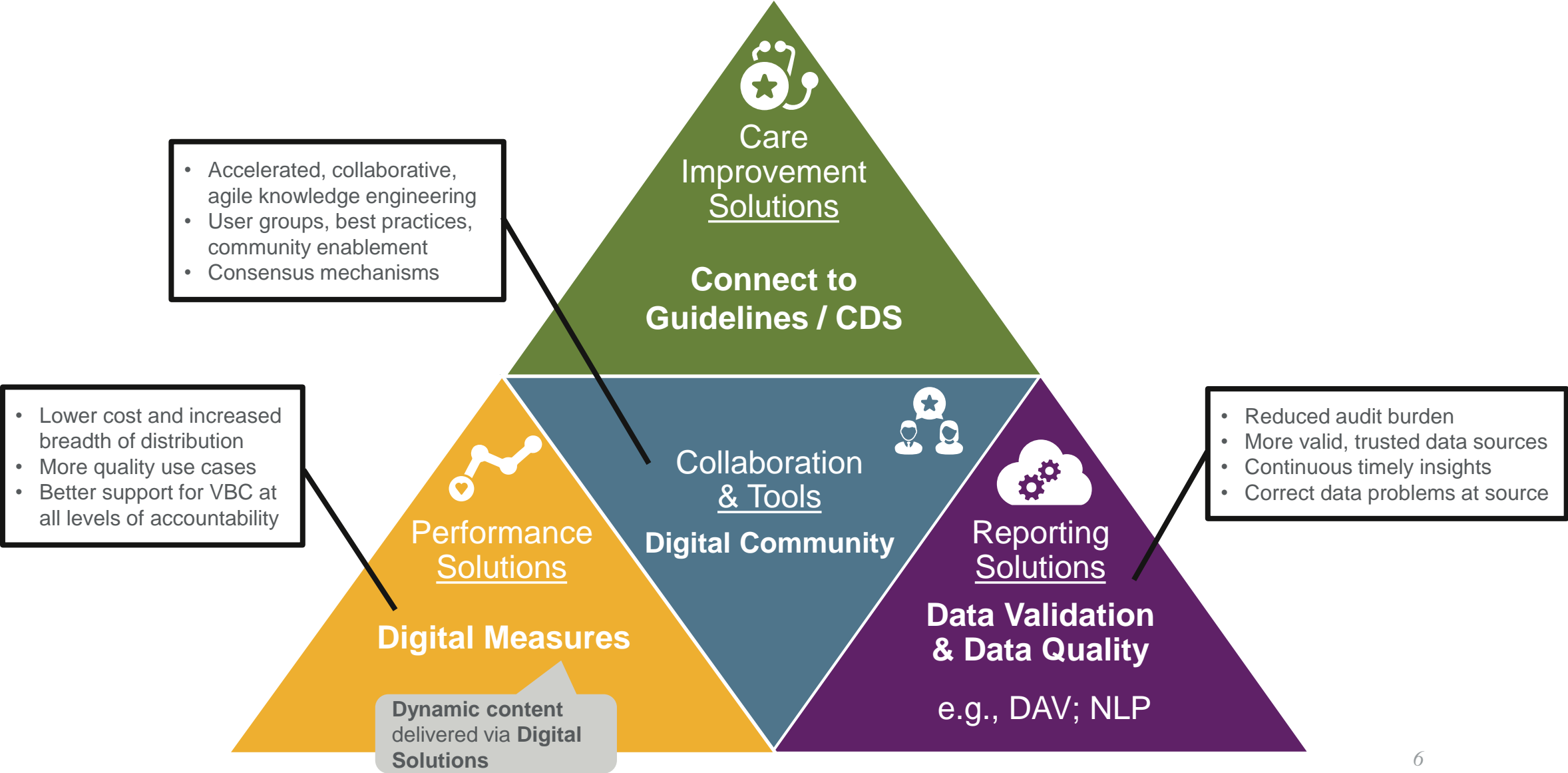
■ Activities

Practice Guidelines
Guideline Text
Program Goals

Fragmented, narrative, Not digitally enabled

Retrospective, incomplete, not "measuring what matters"

Measurement

Measure Specifications

High cost; manual; duplicative – funded by providers and payers

~$10B per year

Data Collection, Transfer, Aggregation

Reports, CDS, Care Gaps, Analytics

Variation; inconsistent validation

Evolution from Siloed Activities to Connected Applications

Moving From Linear and Fragmented to Connected and Consistent

Applications

Standards and Utilities

Evidence-Based Medicine →

Research →

Data Science →

Practice Guidelines

CPG, CDS

Shared Tools, Infrastructure, Approaches
- Integrated, end-to-end
- Multi-plan/program
- Efficient

Measurement

eCQM to dQM

Data Collection, Transfer, Aggregation

FHIR/QI Core, eCR, CCD
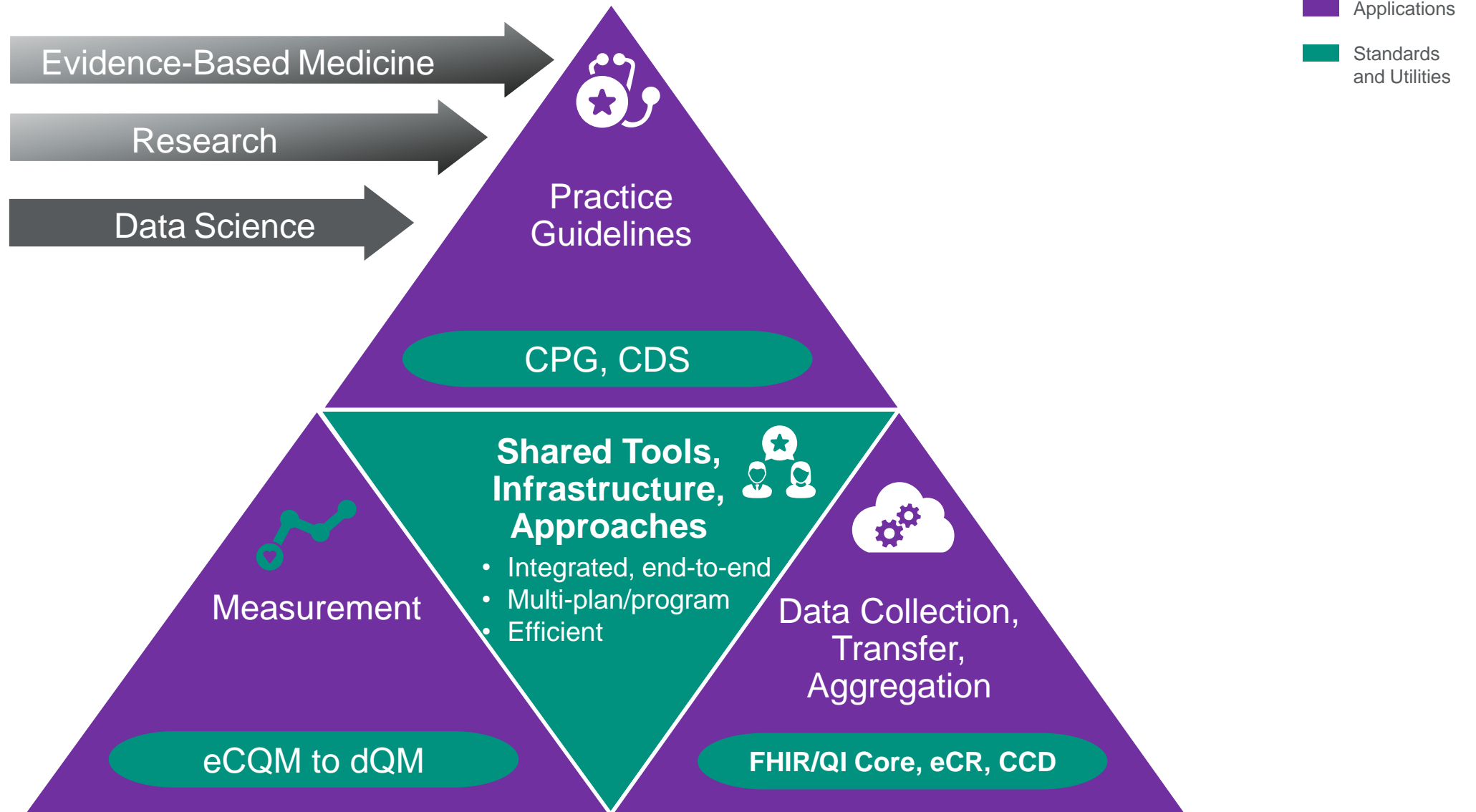
Quality Improvement System of Tomorrow – NCQA's Roadmap

- Accelerated, collaborative, agile knowledge engineering
- User groups, best practices, community enablement
- Consensus mechanisms

Care Improvement Solutions

Connect to Guidelines / CDS

- Lower cost and increased breadth of distribution
- More quality use cases
- Better support for VBC at all levels of accountability

Performance Solutions

Digital Measures

Collaboration & Tools

Digital Community

Reporting Solutions

Data Validation & Data Quality

e.g., DAV; NLP

- Reduced audit burden
- More valid, trusted data sources
- Continuous timely insights
- Correct data problems at source

Dynamic content delivered via **Digital Solutions**

Leveraging Electronic Clinical Data

Leverage more and better data for greater insight

Support patient-focused care & population health

Align with interoperability and value-based payment models

Decrease measurement burden

Two key efforts
- Writing specifications in digital format – Digital Quality Measures (dQMs)
- Leveraging electronic clinical data for HEDIS® using Electronic Clinical Data System reporting

Evolution of HEDIS Digital Quality Measures

NCQA is moving to FHIR®!

✓ **F**ast **H**ealthcare **I**nteroperability **R**esources (FHIR): interoperability standard that aligns quality measurement with other use cases

✓ Aligns with the direction of other key stakeholders

2018	2019	2020	2021	2022
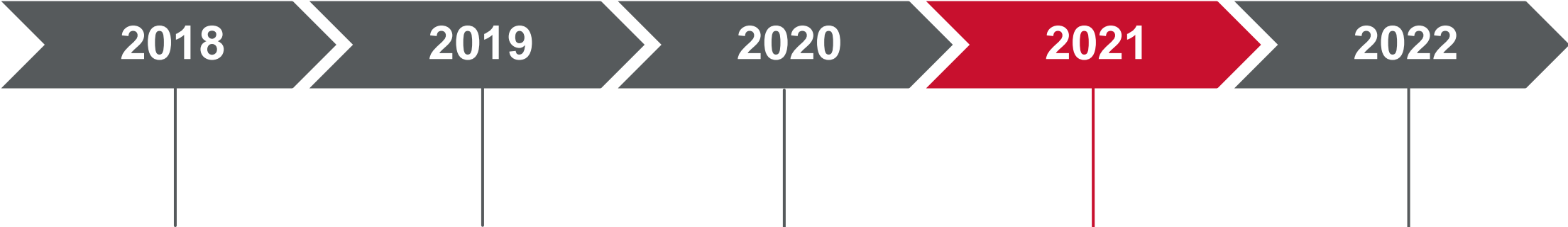
Released 6 QDM-CQL measures

Released 19 QDM-CQL measures

Updated 19 QDM-CQL measures

Released 5 *draft* FHIR-CQL measures (f*or education and information only)*

Plan to release 22 FHIR-CQL measures in Fall 2021

Prioritizing additional measures for expression in digital format

What are Digital Quality Measures (dQMs)?

Digital quality measures:

- Use a standards-based **interoperability** format

- Use **machine-interpretable** measure logic (e.g., Clinical Quality Language or CQL)

- Include a **data dictionary/model** (e.g., Fast Healthcare Interoperability Resources or FHIR)

- Incorporate **data concepts/terms** (e.g., value sets) required to **execute** the measure

Easier deployment of measures in health IT systems

Reduce interpretation, recoding, human error

Standardized to ease use across the care continuum
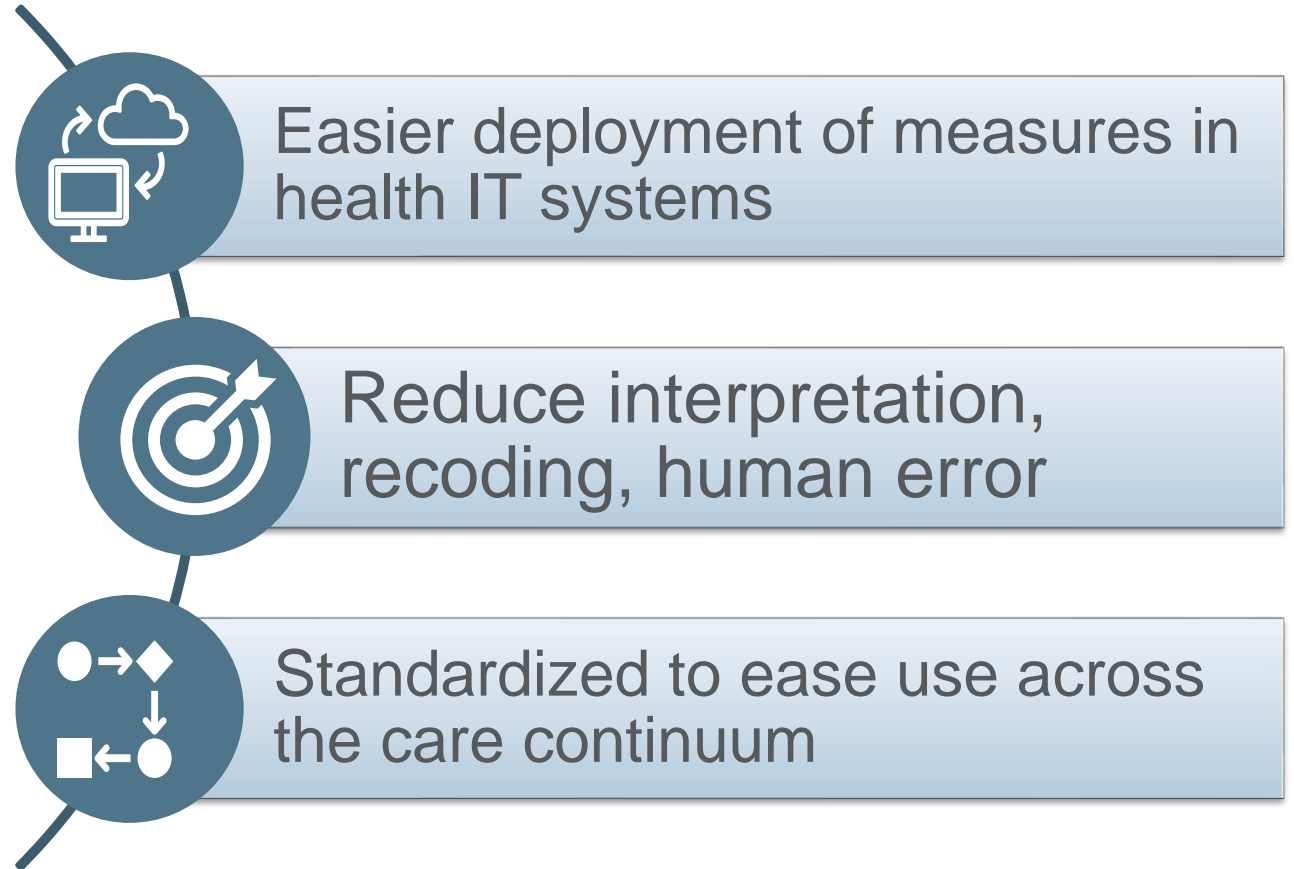
The path forward for clinical data validation

Where We Are

Clinical data digitized but not trusted between parties, inhibiting adoption of value-based payments and incentives

Where We Want to Go

Clinical data that is:
- **Trusted**
- **Accurate**
- **Consistent**
- **Comparable**
- **Fit for Use Case**

✓ Low-burden, transparent data collection and validation

✓ Prospective, "in-line" data quality; tools to identify and fix issues at source

✓ Trusted, common framework for data quality and fitness based on consensus

✓ Independent evaluator with no skin in payments or incentives

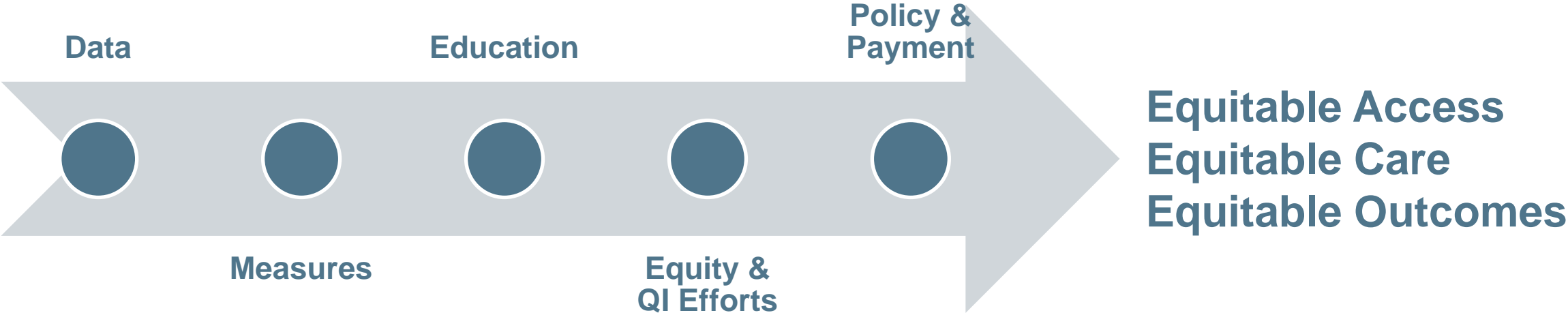# Systems and Structures for Health Equity

What's needed in health care to become equitable?

Data

Education

Policy & Payment

Equitable Access
Equitable Care
Equitable Outcomes

Measures

Equity & QI Efforts

Health Equity Accreditation

Standard Categories
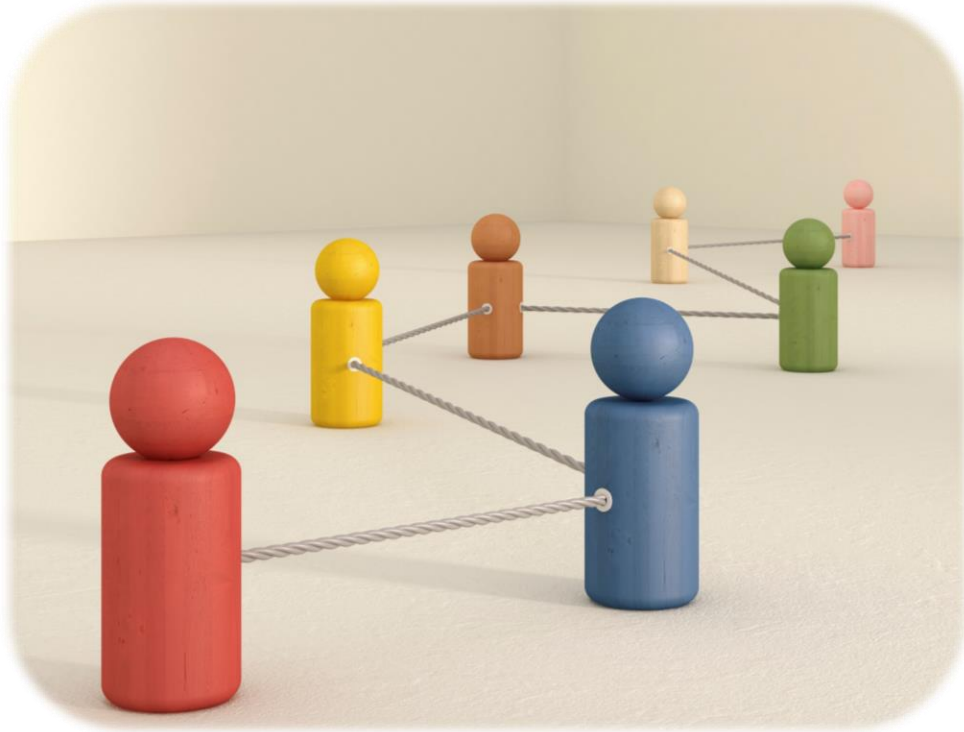
Surveys begin July 1, 2022

Organizational Readiness

Race/Ethnicity, Language, Gender Identity & Sexual Orientation Data

Access & Availability of Language Services

Practitioner Network Responsiveness

Cultural & Linguistically Appropriate Services (CLAS) Programs

Reducing Health Care Disparities

Leveraging this Pivotal Moment: Future Directions

➤ Reduce reporting burden through Electronic Clinical Data Systems

➤ Improving health equity data collection through Health Equity Accreditation (HEA) program and other efforts

    ✓ *Covered California and MediCal are requiring plans to achieve HEA*

➤ Participating in FHIR data standardization to advance use cases related to quality measurement and quality improvement

➤ Development and pilot testing of digital quality measurement services platform

➤ Identifying measure concepts for future digital quality measure (dQM) specification

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