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
A Journey Towards Interoperability

1997-2009

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

2010 - 2019

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

2020

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

2021 and beyond

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

- Practice Guidelines
  - Guideline Text
  - Program Goals

- Measurement
  - Measure Specifications

- Data Collection, Transfer, Aggregation
  - Reports, CDS, Care Gaps, Analytics

- Fragmented, narrative, Not digitally enabled

- Retrospective, incomplete, not “measuring what matters”

- High cost; manual; duplicative – funded by providers and payers
  - ~$10B per year

- Variation; inconsistent validation
Evolution from Siloed Activities to Connected Applications

Moving From Linear and Fragmented to Connected and Consistent

- Integrated, end-to-end
- Multi-plan/program
- Efficient

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

Evidence-Based Medicine

Research

Data Science

Applications

Standards and Utilities
Quality Improvement System of Tomorrow – NCQA’s Roadmap

- Reporting Solutions
- Data Validation & Data Quality (e.g., DAV; NLP)

- Care Improvement Solutions
  - Connect to Guidelines / CDS

- Collaboration & Tools
  - Digital Community

- Performance Solutions
  - Digital Measures
  - Dynamic content delivered via Digital Solutions

- Reporting Solutions
  - Data Validation & Data Quality
    - e.g., DAV; NLP

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

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

- Reporting Solutions
  - Reduced audit burden
  - More valid, trusted data sources
  - Continuous timely insights
  - Correct data problems at source
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®!**

- Fast Healthcare Interoperability Resources (FHIR): interoperability standard that aligns quality measurement with other use cases
- Aligns with the direction of other key stakeholders

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<td>19 QDM-CQL measures</td>
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<td><strong>Updated 5 draft FHIR-CQL measures (for education and information only)</strong></td>
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- Released 19 QDM-CQL measures
- Released 5 draft FHIR-CQL measures
- Updated 19 QDM-CQL measures
- 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
Clinical data digitized but not trusted between parties, inhibiting adoption of value-based payments and incentives.

Where We Are
- Clinical data that is:
  - Trusted
  - Accurate
  - Consistent
  - Comparable
  - Fit for Use Case

Where We Want to Go
- 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
The BIG Idea

High quality care is equitable care

No quality without equity

Build equity into all NCQA programs
Systems and Structures for Health Equity

What’s needed in health care to become equitable?

Equitable Access
Equitable Care
Equitable Outcomes
Health Equity Accreditation

Standard Categories

- 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

Surveys begin July 1, 2022
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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