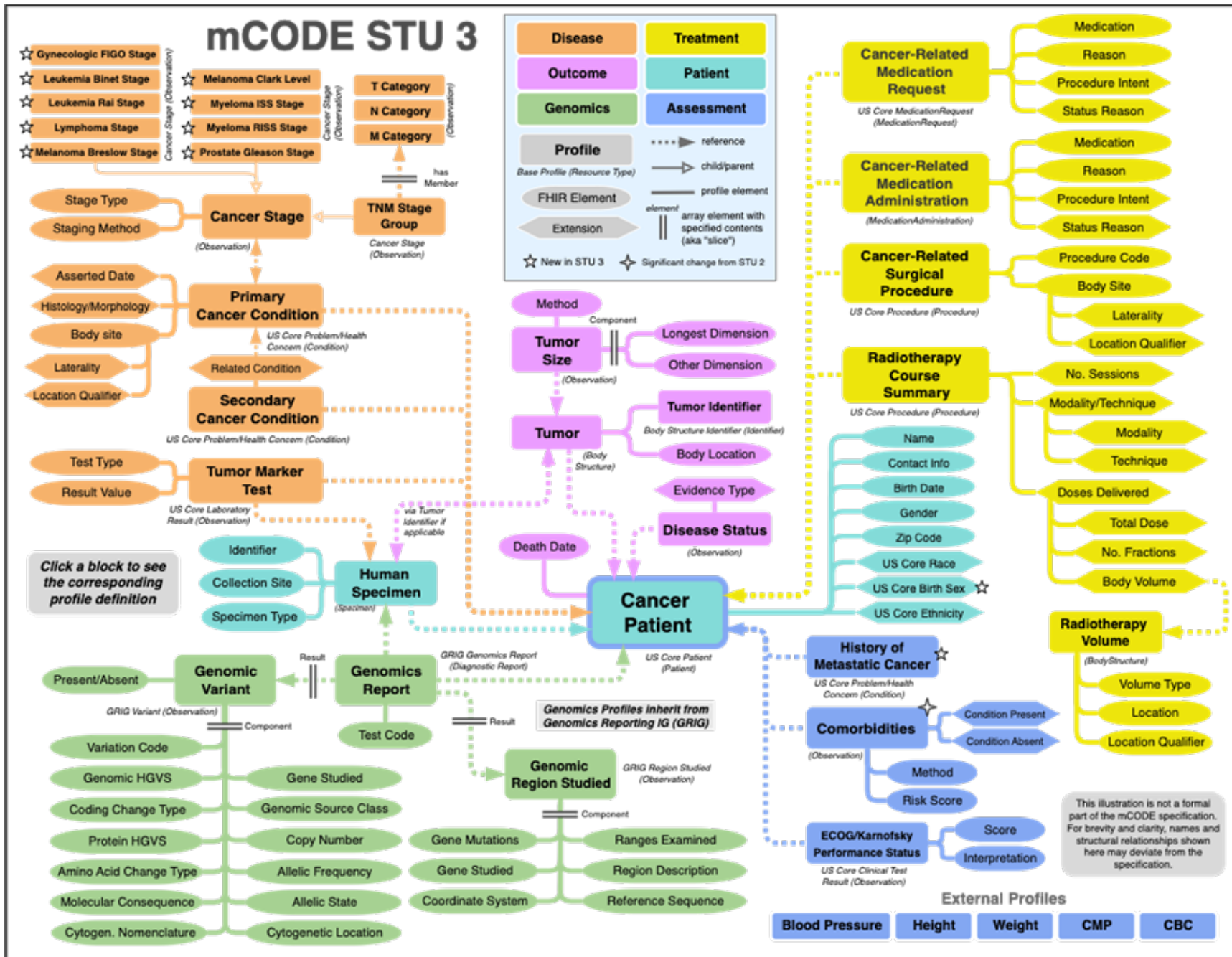




Community-Driven Advancements in Cancer Interoperability Leveraging Open Common Data Models

Su Chen MD
suchen@mitre.org

National Cancer Policy Forum
July 29, 2024



mCODE™

minimal Common Oncology Data Elements

- FHIR-based core set of common data elements for cancer
- Standardized, computable, clinically applicable and available in electronic health records for cancer patients



mCODE FHIR IG

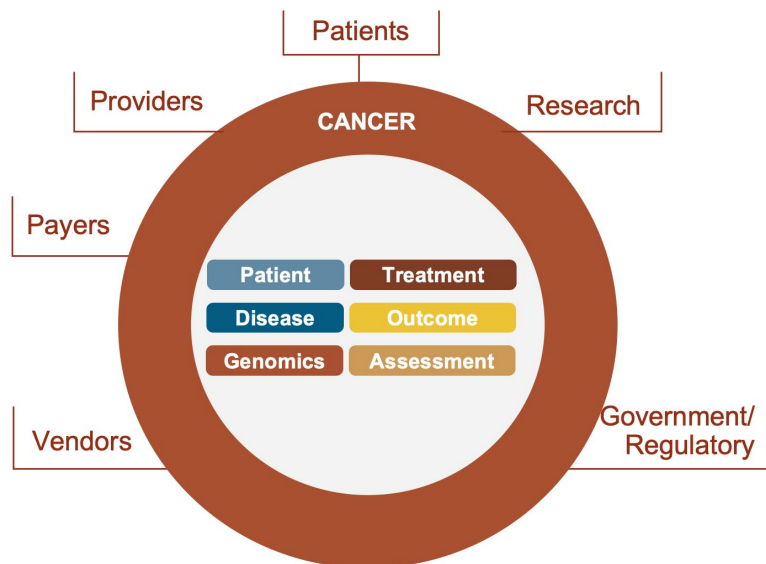


mCODE data dictionary

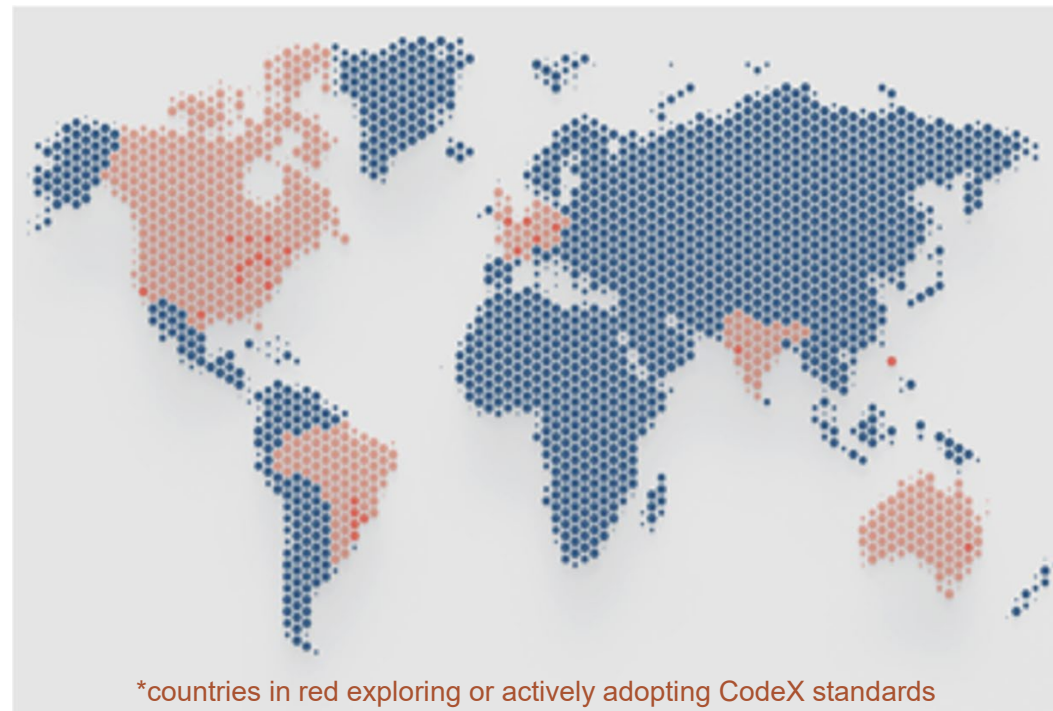
mCODE™

minimal Common Oncology Data Elements

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*mCODE STU3: <http://hl7.org/fhir/us/mcode/>



50%

U.S. patient health records covered by mCODE consistent vendor systems (in active development or already available)



80%

of North American radiation therapy sites have vendors adopting mCODE



140+

Publications referencing mCODE and/or CodeX





**Better Data
Better Health**

A community singularly focused on advancing clinical specialty data standards so patients have the care and research journey they deserve and should expect.

CODEX DOMAINS:

Oncology | Radiation Oncology | Genomics | Cardiovascular Health

CodeX Use Cases



7
In
Execution

- EHR Endpoints for Cancer Clinical Trials (ICAREdata)
- Integrated Trial Matching for Cancer Patients and Providers
- Cancer Registry Reporting
- Radiation Treatment Therapy Data for Cancer
- Prior Authorization in Oncology
- Genomics Data Exchange
- CardX Hypertension Management

3
In
Planning

- Genomics Operations
- Risk Evaluation and Mitigation Strategies
- Quality Measures for Cancer

Scale with Aligned Federal Initiatives

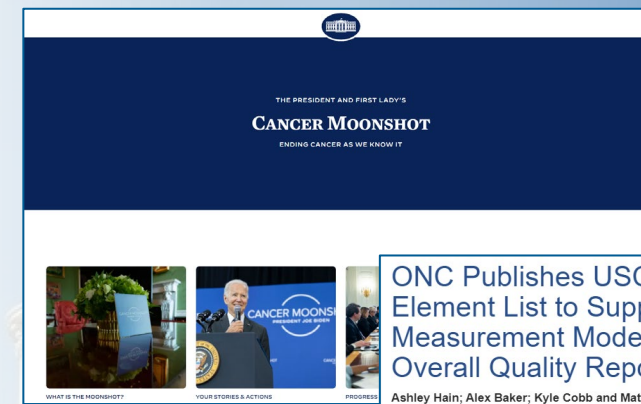
Federal momentum from White House Cancer Moonshot and initiatives by: ONC, CMS, CDC, OSTP, ARPA-H, President's Cancer Panel, NCI, FDA

Spotlight on:

USCDI+ Cancer Registry Use Case*

- Minimum data set to address needs of SEER and CDC/NPCR
- Open for public comment

*https://uscdiplus.healthit.gov/uscdi?id=uscdi_record&table=x_g_sshh_uscdi_sub_domain&sys_id=05a081bc1baf861049edc957624bcb6c&view=sp



ONC Publishes USCDI+ Quality Data Element List to Support CMS Digital Quality Measurement Modernization Initiative and Overall Quality Reporting
Ashley Hain; Alex Baker; Kyle Cobb and Matthew Rahn | JUNE 2, 2023

CMS.gov Centers for Medicare & Medicaid Services
Enhancing Oncology Model
Update: EOM participants announced. The list is available [here \(XLSX\)](#).

THE WHITE HOUSE
OCTOBER 26, 2023
A Stronger Clinical Trial Infrastructure for Better Health Outcomes

President's Cancer Panel Initial Assessment of the National Cancer Plan: A Report to the President of the United States

FDA U.S. FOOD & DRUG ADMINISTRATION

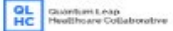
REMS Integration and Innovation



Join Us!

Build and Innovate on Our Work

CodeX Members

PREMIER					PRINCIPAL	
						
						
BENEFACTOR					GOVERNMENT AGENCY	
						
						
						
SPONSORED MEMBER			DEVELOPER/IMPLEMENTER			
						
						
						
						
						
						
						
						
						
						
						

GET ENGAGED

Attend Upcoming Events:



EXPAND OUR REACH

There are currently over 250+ stakeholders involved in CodeX. Spread the word and become a CodeX Member!

Share our site:



Become a Member:

email CodeX@hl7.org