Quality Data Implementation (QDI) User Group Meeting | Minutes

Meeting date | *07/12/2023 3:00 PM ET* | Meeting location|Webinar https://global.gotomeeting.com/join/980942653

Time	Item	Presenter	Discussion/Options/Decisions
3:00-3:03 pm	Agenda	ICF	1. Announcements and survey link 2. QI-Core updates before September 2023 ballot a. Tracker: [FHIR-41570] Update QI-Core QDM to QI-Core mapping section for QI-Core 6.0 3. General Discussion and Questions
3:03-3:04 pm	Announcements	ICF	• MAT and Bonnie User Group –July 20 • Cooking with Clinical Quality Language (CQL) Webinar – July 27 • Cypress Tech Talks – July 25 and August 22 • QDI User Group – August 16 • Resource shared: https://ecqi.healthit.gov/calendar

3:04-3:14 pm	Quality Data Model (QDM)v5.6 to QI-Core R5 Mapping – Observations Changes	ICF	ICF presented changes proposed for mapping Quality Data Model (QDM) current version (5.6) to the new proposed QI-Core STU 6.0 version. This represents an update from the current QI-Core 5.0.0. The reason for these changes include updates based on Office of the National Coordinator for Healthcare Information Technology (ONC) United States Core Data for Interoperability (USCDI) version 3 as it is incorporated in HL7's US Core 6.1.0 (published June 30, 2023).
			
			To review the full set of changes in the QDM mapping to QI-Core, open the attachment included in the following link: [FHIR-41570] Update QI-Core QDM to QI-Core mapping section for QI-Core 6.0.
			Some of the key changes include how QI-Core 6.0 references observations and how to use QI-Core 6.0 to express hospital encounter-related *principal diagnosis* and *diagnoses present on admission*.
			
			Specific QI-Core Observations and what QDM datatypes they represent:
			
			    a. QICore Simple Observation – used to capture any "simple" type of observation that is not classified as vital signs, laboratory, imaging, or other more specific observation types; generally used with QDM "Assessment, Performed"; this profile replaces the QI-Core version 5.0.1 Observation because US Core 6.1.0 adds this new profile.
			    b. QICore Observation Clinical Result – generally used with QDM "Diagnostic Study, Performed"' based on U.S. Core 6.1.0 Observation Clinical Result, includes non-laboratory clinical test results, and incorporates the version 5.0.1 profiles Observation Imaging Result and Observation Clinical Test Result
			    c. QICore Laboratory Result Observation – generally used with QDM "Laboratory Test, Performed"

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3:04-3:14 pm	Quality Data Model (QDM)v5.6 to QI-Core R5 Mapping – Observations Changes (cont.)	ICF	d. QICore Observation Screening Assessment – generally used with QDM "Assessment, Performed" e. US Core Observation Occupation Profile – generally used with QDM "Assessment, Performed" (occupation history); this profile is a new addition to US Core 6.1.0; it is based on the <u>HL7 Occupational Data for Health</u> implementation guide. f. US Core Observation Pregnancy Status Profile – generally used with QDM "Assessment, Performed"; this profile is a new addition to US Core 6.1.0; it provides information about how to express information such as gestational age at any point in time during the pregnancy. g. US Core Observation Pregnancy Intent Profile – generally used with QDM "Assessment, Performed"; this profile is a new addition to US Core 6.1.0; it provides information to assist with decision making with respect to patient risk factors for medications and other interventions. h. US Core Observation Sexual Orientation Profile – generally used with QDM "Assessment, Performed" i. US Core Smoking Status Observation Profile – generally used with QDM "Assessment, Performed" j. US Core Pediatric Head Occipital-frontal Circumference Percentile Profile – generally used with QDM "Physical Exam, Performed" k. US Core Blood Pressure Profile – generally used with QDM "Physical Exam, Performed" l. US Core BMI Profile – generally used with QDM "Physical Exam, Performed" m. US Core Body Height Profile – generally used with QDM "Physical Exam, Performed" n. US Core Body Temperature Profile – generally used with QDM "Physical Exam, Performed" o. US Core Body Weight Profile – generally used with QDM "Physical Exam, Performed" p. US Core Head Circumference Profile – generally used with QDM "Physical Exam, Performed" q. US Core Heart Rate Profile – generally used with QDM "Physical Exam, Performed" r. US Core Pediatric BMI for Age Observation Profile – generally used with QDM "Physical Exam, Performed" s. US Core Pediatric Weight for Height Observation Profile – generally used with QDM "Physical Exam, Performed" t. US Core Pulse Oximetry Profile – generally used with QDM "Physical Exam, Performed" u. US Core Respiratory Rate Profile – generally used with QDM "Physical Exam, Performed" **Other QI-Core Modifications based on US Core 6.1.0 Changes** • MedicationDispense – QI-Core 6.0.0 Medication dispense adds constraints to the new US Core STU6.1.0 Medication Dispense rather than the base 4.0.1 MedicationDispense – used with QDM "Medication, Dispensed" • Specimen – Since US Core 6.1.0 includes a new Specimen profile, QI-Core 6.0.0 inherits that profile directly rather than including its own QI-Core Specimen profile; this element may be represented by attributes in QDM "Laboratory Test, Performed".

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3:14-3:19 pm	Quality Data Model (QDM)v5.6 to QI-Core R5 Mapping – Adverse Event Changes	ICF	ICF presented content from the QDM to QI-Core mapping available at the following link: [FHIR-41570] Update QI-Core QDM to QI-Core mapping section for QI-Core 6.0. Specific discussion centered around two topics: 1. Use of Adverse Event versus identification of a trigger event followed by occurrence of a new resulting condition. Discussion supported used of measure expressions seeking retrieval of trigger events and subsequent observations or conditions since identification that an adverse event occurred requires access to incident reports and separate risk management software in hospitals. Similarly, in ambulatory settings the information most often is not categorized as an adverse event. 2. Definition of *principal diagnosis, principal procedure,* and *diagnosis present on admission.*
3:47-3:52 pm	Quality Data Model (QDM)v5.6 to QI-Core R5 Mapping – Encounter changes	ICF	Discussion regarding definition of *principal diagnosis, principal procedure,* and *diagnosis present on admission*: Previous versions of QI-Core have used the Encounter.diagnosis element to reference to the list of diagnosis/diagnoses and procedures relevant to the encounter. The Encounter.diagnosis.use value helped to differentiates if the diagnosis or procedure role with respect to the encounter, e.g., the admission diagnosis (AD), the discharge diagnosis (DD), the chief complaint (CC), a comorbidity diagnosis (CM), a pre-op diagnosis (pre-op), a post-op diagnosis (post-op) or a billing diagnosis (billing). Further, *principal diagnosis* was specified by Encounter.diagnosis.use= *billing,* and Encounter.diagnosis.rank- 1 with similar modeling for principal procedures. Further prior versions of QI-Core identified *present on admission* (POA) using Encounter.diagnosis.onAdmission. Feedback from implementers and standards experts indicated that concepts such as *principal diagnosis, principal procedure,* and *present on admission* were more appropriately retrieved using the Claim profile. Medical record coders review documentation and work with physicians to provide the adjudicated determination of what represents a principal diagnosis, a principal procedure, and the final present on admission flag for each diagnosis. Therefore, QI-Core 6.0 QDM to QI-Core mapping tables now recommend: 1. Hospital encounters: a. Define *principal diagnosis* as Claim.diagnosis.sequence = 1 plus Claim.diagnosis.diagnosis[x] b. Define *principal procedure* as Claim.procedure.sequence = 1 plus Claim.procedure.procedure[x] c. Define *present on admission* as Claim.diagnosis.onAdmission plus Claim.diagnosis.diagnosis[x] 2. Ambulatory encounters: a. Define *primary diagnosis* as Claim.diagnosis.sequence = 1 plus Claim.diagnosis.diagnosis[x] b. Define *primary procedure* as Claim.procedure.sequence = 1 plus Claim.procedure.procedure[x] c. Ambulatory encounter claims do not have a concept comparable to *present on admission*

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3:47-3:52 pm	Quality Data Model (QDM)v5.6 to QI-Core R5 Mapping – Encounter changes (cont.)	ICF	User Group participants asked how a secondary diagnosis might be represented with QI-Core 6.0. As clarification, the concern about *secondary diagnoses* references any diagnosis managed during the encounter. This concept is relevant to hospital and to ambulatory encounters. Such diagnoses should still be represented using the QI-Core Encounter profiles which, similar to US Core 6.10, address the clinical concept as either: 1. Encounter.reasonCode which has a preferred binding to <u>Encounter Reason Code value set</u> allows use of SNOMED-CT clinical findings, procedures, context-dependent categories, and events; OR 2. Encounter.reasonReference which includes reference to QICore ConditionProblemsHeatlhConcerns, QICore ConditionEncounterDiagnosis, QICore Procedure, QICore SimpleObservation, and QICore ImmunzationRecommendation.
3:52-4:13 pm	General Discussion and Questions	ICF	QDM to QI-Core Mapping Table • Question: Is this table helpful? How can it be improved? • Feedback from group: Some attendees expressed concern that the discussion could be premature as measure developers are currently working on QI-Core 4.1.1. Therefore, considerations about how mapping and use will change over time could lead to confusion since QI-Core 4.1.1, QI-Core 5.0.1, and QI-Core 6.0 have some differences. Further discussion provided rationale for reviewing and evaluating future versions prior to their publication such that concerns could be addressed rather than allow future standards versions to persist challenging recommendations. Further, some of the guidance could be used in earlier versions of QI-Core. For example, reference the discussion about identifying adverse events by seeking triggers and resulting conditions rather than using the Adverse Event profile. Further, QI-Core 4.1.1 or QI-Core 5.0.1 versions include a QI-Core Claim profile. A measure could request retrieval of Claim.diagnosis.sequence = 1 and Claim.diagnosis.diagnosis[x] to determine *principal diagnosis*, and Claim.diagnosis.onAdmission to determine *present on admission* instead of the Encounter.diagnosis approach. While the stated elements of the QI-Core Claim profile are not listed as Must Support, they are available for use (in the Snapshot tab of the element table). The measure developer does need to assure the measure authoring tool used for FHIR-based measures allows use of non-Must Support elements; as long as the tooling allows such use, the measure can create expressions based on the QDM mapping table guidance in the QI-Core 6.0 version. Detailed resource information: <u>[FHIR-41570] Update QI-Core QDM to QI-Core mapping section for QI-Core 6.0</u> • Quality Data Model (QDM)v5.6 to QI-Core STU6 Mapping – can review document and send feedback on changes made.

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4:13-4:14 pm	Conclusion	ICF	▪ Agenda items for updated QDI user group meeting
			    ▪ Contact us at qdm@icf.com
			
			▪ Next user group meeting - stay tuned for updated date!
			    ▪ August 16, 2023 3:00pm – 4:30pm ET

Invitees/Attendees:

Attended	Name	Organization	Attended	Name	Organization
N/A	Abrar Salam	The Joint Commission	N/A	Lakisha Johnson	Catholic Health
X	Alannah Marsh	Mathematica	X	Lanre I.	-
N/A	Alex Lui	Epic	N/A	Laura Kramer	NCQA
N/A	Allison Lance	Oracle	N/A	Laura Myers	The Orchards Michigan
N/A	Alyson Narveson	Nebraska Health Network	N/A	Laura Pearlman	The Orchards Michigan
N/A	Amanda Grant	NCQA	N/A	Laurie Wissell	Allscripts
N/A	Andrea Stewart	New Hampshire DHHS	N/A	L Dejesus	Informedika
N/A	Andy Kubilius	The Joint Commission	N/A	Lisa Anderson	NCQA
N/A	Angela Flanagan	Lantana	N/A	Lissinia La	Redlands Hospital
N/A	Angela Knox	AdvancedMD	N/A	Lizzie Charboneau	MITRE
N/A	Angie Washam	Community Health of East Tennessee	N/A	Lucilia Pereira	Southcoast
N/A	Ann-Marie Dunn	Cerner	N/A	Lillian Guffey	Ascension Health Alliance
N/A	Ann Philips	NCQA	N/A	Lolita Jones	iQueryData
N/A	Anna Bentler	The Joint Commission	N/A	Lynn Perrine	Lantana
N/A	Anna Little	HCA Healthcare	N/A	Maggie Lohnes	IMPAQ
N/A	Anne Coultas	All Scripts	N/A	Marcella Harker-Jones	CDC
N/A	Anne Smith	NCQA	N/A	Maria-Teresa King	ACS
N/A	Amira Elhagmusa	Battelle	N/A	Marc Hadley	MITRE
N/A	April Spears	DHCFP	N/A	Marc Hallez	The Joint Commission
N/A	Beatriz Espinoza	DHS LA County	N/A	Marc Overhage	Cerner
N/A	Ben Hamlin	NCQA	N/A	Margaret Dobson	Zepf Center
N/A	Beth Bostrom	AMA	N/A	Margaret Dittloff	Junum
N/A	Bijal Desai	Northwestern Medicine	N/A	Matt Hardman	Unknown
N/A	Brian Blaufeux	Northern Westchester Hospital	X	Marilyn Parenzan	The Joint Commission
N/A	Bridget Blake	MITRE	N/A	Maritza Espada	Pan Menonita

Attended	Name	Organization	Attended	Name	Organization
N/A	Bryn Rhodes	ICF	N/A	Martha Radford	NYU
N/A	Carolyn Anderson	Primary care practice	N/A	Matthew Dugal	Dynamic Health
N/A	Cathy Duke	Greenway Health	X	Melissa Breth	-
N/A	Chana West	CDQ Solutions	N/A	Melody Hall-Ramirez	DHCFP
N/A	Chris Moesel	MITRE	N/A	Mia Nievera	The Joint Commission
N/A	Cindy Hartmann	BCBSFL	N/A	Michael Jung	ClaraPrice
N/A	Cindy Lamb	Telligen	N/A	Michael Mainridge	Unknown
N/A	Claudia Hall	Mathematica	N/A	Michael Ryan	NCQA
N/A	Connie Tyre	BCHSI	N/A	Mike Nosal	MITRE
N/A	Corrie Dowell	BSW Health	N/A	Michelle Benz	Edifecs
N/A	Dalana Ostile	Providence Health Systems	N/A	Michelle Dardis	Mathematica
N/A	Dawn Lane	Covenant Health	N/A	Michelle Hinterberg	MediSolv
N/A	Dave Mishler	Care Evolution	N/A	Michelle Lefebvre	IMPAQ
N/A	David Clayman	Allscripts	N/A	Mike Shoemaker	Telligen
N/A	David Conger	Southwest Network	N/A	Misty Carruth	Holy Cross Hospital-Taos
N/A	David Czulada	Mitre	N/A	Nancy Rapada	Flagler Hospital
N/A	Debbie Gibson	Psych	N/A	Nayaab Baig	NCQA
N/A	Deidre Sacra	McKesson	N/A	Neelam Zafar	The Joint Commission
N/A	Doug Goldstein	Epic	N/A	Nicole Boland	Taos Hospital
N/A	Dorothy Lee	NCQA	N/A	Nicole Hunter	Semantic Bits
N/A	Esther Ndemo	American Academy of Neurology	N/A	Pamela Mahan-Rudolph	Memorial Hermann
N/A	Evelyn Cody	Mathematica	N/A	Paul Denning	MITRE
N/A	Fallon Howell	Western Wayne Family Health Centers	N/A	Paul Lee	DHCS
N/A	Fern McCree	NCQA	X	Peter Muir	ICF
X	Floyd Eisenberg	ICF	N/A	Piper Ranallo	AAN
N/A	Gary Parker	Alabama Medicaid	N/A	Prem Sahgal	PIH Health
N/A	Gary Rezik	QIP	N/A	Qainta Harris	Arise Medical Center
N/A	Ganesh Shanmugam	Glenwood Systems	N/A	Rachel Buchanan	Oregon Urology
N/A	Gayathri Jayawardena	ICF	N/A	Rachelle Zribi	Yale
N/A	Gerald Angel	HOAG	N/A	Raj Mann	My Harmony Health
N/A	Grace Glennon	Yale CORE	N/A	Rajvi Shah	Unknown
X	Greta Kessler	Unknown	X	Raquel Belarmino	Unknown
N/A	Howard Bregman	Epic	N/A	Rayna Scott	PCPI
X	Hugo Andrade	Mathematica	N/A	R Swaineng	Swaineng Associates
N/A	Jamie Reinert	-	N/A	Rebeccah Baer	NCQA
N/A	Jana Malinowski	Cerner	N/A	Rebecca Swain-Eng	Swain Eng Associates

Attended	Name	Organization	Attended	Name	Organization
N/A	Janelle Capo	Flagler Health	N/A	Renee Mann	EM Healthcare
N/A	Janna Sartin	Girard Medical Center	N/A	Rhonda Schwartz	ICF
N/A	Jay Frails	Meditech	N/A	Regina Beach	ERP International
X	Jean Fajen	Telligen	N/A	Rhonda Smith	Novant Health
X	Jen Seeman	ICF	N/A	Rhett Partin	Georgia Hospital Association
X	Jenel Lansang	Mathematica	N/A	Rob McClure	MD Partners
N/A	Jennifer Distefano	All Scripts	X	Roger A.	-
N/A	Jill Shuemaker	VCU Health	N/A	Rose Almonte	MITRE
N/A	Jim McKinley	Alabama Medicaid	N/A	Roxanne Williams	BV Health System
N/A	John Carroll	The Joint Commission	N/A	Ruth Dalgetty	Johns Hopkins Medicine
N/A	John Lujan	Kaiser Permanente	N/A	Ruth Gatiba	Battelle
N/A	Jessica Smails	Caradigm	N/A	Ryan Clark	NCQA
N/A	Joan Brown	Bowen Center	N/A	Samuel Benton	NCQA
N/A	Joan Preston	Central Health	N/A	Sandi Mitchell	JPSYS
N/A	Joanna Elhaddi	HSAG	N/A	Sarah Sims	My Patient Insight
X	Joanna Ramsaier	ICF	N/A	Sera Gearhart	Mathematica
N/A	Jodi Jensen	St. Peter's Health	N/A	Sethuraman Ramanan	Cognizant
N/A	Joanne Zhou	Hospital for Special Surgery	N/A	Sharon Hibay	Advanced Health Outcomes
N/A	Joe Bormel	Cognitive Medicine	N/A	Sherri Repsher	Good Shepherd Rehabilitation
N/A	Joel Roberts	Piedmont	N/A	Sheila Aguilar	TJC
N/A	Joseph Kunisch	Memorial Hermann	N/A	Shellie T	Unknown
N/A	Johanna Ward	Mathematica	N/A	Stan Rankins	Telligen
N/A	Jorge Belmonte	PCPI	N/A	Stephen Williams	Mon Health System
N/A	Jory Hatton	ClaraPrice	N/A	Susan Wisnieski	Meditech
N/A	Joyce Parsons	Steward	N/A	Sweta Shah	NCQA
N/A	Julia Dawson	The Joint Commission	N/A	Syed Zeeshan	eDaptive Systems
N/A	Julie-Marie Lebbie	Common Spirit	N/A	Tammy Kuschel	McKesson
N/A	Juliet Rubini	Mathematica	N/A	Teresa D Barker	CHH Grove
N/A	Justin Schirle	Epic	N/A	Terra Stump	Mathematica
N/A	Justin Smith	MN South Country Health Alliance	N/A	Thoma Hudson	Parkview
N/A	Karen Levin	Pomona Valley Hospital Medical Center	N/A	Tom Dunn	Telligen
X	Karen McLaughlin	MediSolv	X	Traci Psihas	ICF
N/A	Karl	MITRE	N/A	Valery Andino	Altera Health
N/A	Kat Sobel	NCQA	N/A	Veronica Dunlap	HSAG
N/A	Katie Magoulick	IMPAQ	N/A	Veronica Kirchner	WellSpan
N/A	Karen McLaughlin	Medisolv	N/A	Vivian Steinmetz	St. Joseph's Wayne Hospital

Attended	Name	Organization	Attended	Name	Organization
N/A	Kathy Huska	WellSpan	N/A	Wendy Holmes	New Hanover Regional Medical Center
N/A	Kelly Burlison	Heart	N/A	Wendy Wise	Lantana
N/A	Kim Dillon	King's Daughters Health System	N/A	Yan Heras	ICF
X	Kim Lussier	Holy Oke Health	**X**	Yanyan Hu	The Joint Commission
X	Kimberly Smuk	Mathematica	N/A	Yiscah Bracha	RTI
N/A	KP Sethi	Lantana	N/A	Yvette Apura	ASCO
N/A	Kris Done	Lantana	N/A	Zahid Butt	MediSolv