

# Quality Data Model (QDM) User Group Meeting | Minutes

Meeting date | 04/21/2021 2:30 PM ET | Meeting location|Webinar <https://global.gotomeeting.com/join/980942653>

Time	Item	Presenter	Discussion/Options/Decisions
5 Minutes	Announcements	Jen Seeman (ESAC)	<ul style="list-style-type: none"> <li>A Cooking with CQL, QDM and FHIR session is scheduled for April 22, 2021</li> <li>HL7 Connectathon May 17-19, 2021 (virtual)</li> <li>HL7 Working Group Meeting May 24-28, 2021 (virtual)</li> <li>Next QDM User Group Meeting May 19, 2021</li> </ul>
10 Minutes	QDM 5.6 to QI-Core Mapping - <i>status</i> attributes	Floyd Eisenberg (ESAC)	<p><b>Overview:</b>  ESAC reviewed the QDM to QI-Core mappings in preparation for an upcoming update to the HL7 QI-Core Implementation Guide managed by the Clinical Quality Information (CQI) workgroup. Several concepts required further validation by the measurement community especially since a number of measure developers are working on transitioning their measures to FHIR. Such input is specifically needed for concepts that QDM incorporates empirically in QDM datatype definitions to allow explicit expressions using QI-Core / FHIR. These QI-Core resource elements include <i>status</i>, <i>intent</i>, and <i>negationRationale</i> and that is the topic for this QDM User Group discussion seeking consensus on the specific values to reference for these elements. Another reason for this discussion is to recommend a default constraint for each of these elements to allow the Bonnie FHIR automated conversion of existing test patient data. Without such default values, the automated conversion would result in an unknown value requiring measure developer mitigation for every data element in every measure for the <i>status</i> elements and possibly the <i>intent</i> elements as well.</p> <p>ESAC reviewed the <i>status</i> element for every QDM datatype to establish consensus on the QDM constraints to recommend based on the existing QI-Core/FHIR resource value set concepts, and to recommend a default value for the Bonnie tool to use for automated conversion in the initial FHIR conversion process. Note that some QDM datatypes may constrain the available values for <i>status</i> while others may not, and default values for the Bonnie tool may not be appropriate in all instances. The following table lists the QI-Core resource in the first column, the QDM datatypes mapped to that resource in the second column, the value set of available concepts for <i>status</i> in the third column, the currently published QDM to QI-Core mapping constraints in the fourth column, and the recommendations from this consensus review in column 5 (User Group Feedback).</p>

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10 Minutes	QDM 5.6 to QI-Core Mapping - <i>status</i> attributes (cont.)	Floyd Eisenberg (ESAC)	<i>status</i> attribute	QDM datatype	Value set	QDM constraint	User Group Feedback
			<a href="#">AdverseEvent.actuality</a>	"Adverse Event"	<a href="#">adverse-event-actuality value set</a> <ul style="list-style-type: none"> <li>actual</li> <li>potential</li> </ul>	none	Maintain the mapping as "none" for QDM constraints.  For the Bonnie tool conversion, default to "actual"
			<a href="#">AllergyIntolerance.clinicalStatus</a>	"Allergy/Intolerance"	<a href="#">allergyintolerance-clinical value set</a> <ul style="list-style-type: none"> <li>active</li> <li>inactive</li> <li>resolved</li> </ul>	none	Change the mapping to "Constrain to 'active'" for QDM constraints.  For the Bonnie tool conversion, default to "actual"
			<a href="#">Communication.status</a>	"Communication, Performed"	<a href="#">event-status value set</a> <ul style="list-style-type: none"> <li>preparation</li> <li>in-progress</li> <li>not-done</li> <li>on-hold</li> <li>stopped</li> <li>completed</li> <li>entered-in-error</li> <li>unknown</li> </ul>	<ul style="list-style-type: none"> <li>in-progress</li> <li>completed</li> <li>on-hold</li> </ul>	Maintain existing constraints.  For the Bonnie tool conversion, default to "completed"

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			<i>status</i> attribute	QDM datatype	Value set	QDM constraint	User Group Feedback
10 Minutes	QDM 5.6 to QI-Core Mapping - <i>status</i> attributes (cont.)	Floyd Eisenberg (ESAC)	<a href="#">Condition.clinicalStatus</a>	“Diagnosis”	<a href="#">condition-clinical value set</a> <ul style="list-style-type: none"> <li>• active</li> <li>• recurrence</li> <li>• relapse</li> <li>• inactive</li> <li>• remission</li> <li>• resolved</li> </ul>	none	Maintain current lack of constraints. Claudia Hall (Mathematica) suggested constraints are not necessary as sometimes measures look for historical data.  For the Bonnie tool conversion, default to “active”
			<a href="#">Condition.verificationStatus</a>	“Diagnosis”	<a href="#">condition-ver-status value set</a> <ul style="list-style-type: none"> <li>• unconfirmed</li> <li>• provisional</li> <li>• differential</li> <li>• confirmed</li> <li>• refuted</li> <li>• entered-in-error</li> </ul>	none	Maintain current lack of constraints. Measure developers haven’t used this type of element thus far.  For the Bonnie tool conversion, default to “confirmed”
			<a href="#">Coverage.status</a>	“Participation”	<a href="#">fm-status codes value set</a> <ul style="list-style-type: none"> <li>• active</li> <li>• cancelled</li> <li>• draft</li> <li>• entered-in-error</li> </ul>	<ul style="list-style-type: none"> <li>• active</li> </ul>	Maintain current constraint to “active”  For the Bonnie tool conversion, default to “active” (i.e., there is only one option)

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			<i>status</i> attribute	QDM datatype	Value set	QDM constraint	User Group Feedback
10 Minutes	QDM 5.6 to QI-Core Mapping - <i>status</i> attributes (cont.)	Floyd Eisenberg (ESAC)	<a href="#">Encounter.status</a>	"Encounter, Performed"	<a href="#">encounter-status value set</a> <ul style="list-style-type: none"> <li>● planned</li> <li>● arrived</li> <li>● triaged</li> <li>● in-progress</li> <li>● on-leave</li> <li>● finished</li> <li>● cancelled</li> <li>● entered-in-order</li> <li>● unknown</li> </ul>	<ul style="list-style-type: none"> <li>● arrived</li> <li>● triaged</li> <li>● in-progress</li> <li>● on-leave</li> <li>● finished</li> </ul>	<p>Maintain constraints as stated.</p> <p>Yanyan Hu (TJC) noted future measure development for monitoring may look for 'in-progress'. Guidance should indicate generally measures are constrained to finished; however, for measures evaluating monitoring activity while patient is in hospital, arrived, triaged, in-progress and on-leave might be appropriate.</p> <p>Guidance statement, Note: most retrospective eCQMs will constrain Encounter.status to "finished". Measures designed to monitor active encounters should consider using "in-progress"</p> <p>For the Bonnie tool conversion, default to "finished"</p>

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10 Minutes	QDM 5.6 to QI-Core Mapping - <i>status</i> attributes (cont.)	Floyd Eisenberg (ESAC)	<i>status</i> attribute	QDM datatype	Value set	QDM constraint	User Group Feedback
			<a href="#">FamilyMemberHistory.status</a>	“Family History”	<a href="#">history-status value set</a> <ul style="list-style-type: none"> <li>● partial</li> <li>● completed</li> <li>● entered-in-error</li> <li>● health-unknown</li> </ul>	<ul style="list-style-type: none"> <li>● partial</li> <li>● completed</li> </ul>	Maintain existing constraints.  For the Bonnie tool conversion, default to “completed”
			<a href="#">Goal.achievementStatus</a>	“Care Goal”	<a href="#">goal-achievement value set</a> <ul style="list-style-type: none"> <li>● in-progress</li> <li>● improving</li> <li>● worsening</li> <li>● no-change</li> <li>● achieved</li> <li>● sustaining</li> <li>● not-achieved</li> <li>● no-progress</li> <li>● not-attainable</li> </ul>	none	Maintain constraints  For the Bonnie tool conversion there is no default recommendation.
<a href="#">Immunization.status</a>	“Immunization, Administered”	<a href="#">immunization-status codes value set</a> <ul style="list-style-type: none"> <li>● completed</li> <li>● entered-in-error</li> <li>● not-done</li> </ul>	<ul style="list-style-type: none"> <li>● completed</li> <li>● entered-in-error</li> <li>● not-done</li> </ul>	Change the mapping to constrain to “completed”  For the Bonnie tool conversion, default to “completed”			

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10 Minutes	QDM 5.6 to QI-Core Mapping - <i>status</i> attributes (cont.)	Floyd Eisenberg (ESAC)	<i>status</i> attribute	QDM datatype	Value set	QDM constraint	User Group Feedback
			<a href="#">MedicationAdministration.status</a>	“Medication, Administered”	<a href="#">medication-admin-status value set</a> <ul style="list-style-type: none"> <li>● in progress</li> <li>● not-done</li> <li>● on-hold</li> <li>● completed</li> <li>● entered-in-error</li> <li>● stopped</li> <li>● unknown</li> </ul>	<ul style="list-style-type: none"> <li>● in-progress</li> <li>● completed</li> </ul>	Change to “in-progress” or “completed”. Add text: Note: Measures that look for evidence of potential adverse events might use MedicationAdministration.status = on-hold, or stopped as possible indicators of such events.  For the Bonnie tool conversion, default to “completed”
<a href="#">MedicationDispense.status</a>	“Medication, Dispensed”	<a href="#">medicationdispense-status value set</a> <ul style="list-style-type: none"> <li>● preparation</li> <li>● in-progress</li> <li>● cancelled</li> <li>● on-hold,</li> <li>● completed</li> <li>● entered-in-error</li> <li>● stopped</li> <li>● declined</li> <li>● unknown</li> </ul>	<ul style="list-style-type: none"> <li>● in-progress</li> <li>● completed</li> <li>● on-hold</li> </ul>	Maintain existing mapping.  For the Bonnie tool conversion, default to “completed”			

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10 Minutes	QDM 5.6 to QI-Core Mapping - <i>status</i> attributes (cont.)	Floyd Eisenberg (ESAC)	<a href="#">MedicationRequest.status</a>	“Immunization, Order”	<a href="#">medicationrequest-status value set</a> <ul style="list-style-type: none"> <li>● active</li> <li>● on-hold</li> <li>● cancelled</li> <li>● completed</li> <li>● entered-in-error</li> <li>● stopped</li> <li>● draft</li> <li>● unknown</li> </ul>	<ul style="list-style-type: none"> <li>● active</li> <li>● completed</li> <li>● on-hold</li> </ul>	Maintain existing mapping.  For the Bonnie tool conversion, default to “completed”
				“Medication, Active”		<ul style="list-style-type: none"> <li>● active</li> </ul>	
				“Medication, Discharge”		<ul style="list-style-type: none"> <li>● active</li> <li>● completed</li> <li>● on-hold</li> </ul>	Modify mapping to constrain to “active” (remove completed and on hold)  For the Bonnie tool conversion, default to “active”
				“Medication, Order”		<ul style="list-style-type: none"> <li>● active</li> <li>● completed</li> <li>● on-hold</li> </ul>	Modify existing mapping to remove “on-hold”.  For the Bonnie tool conversion, default to “active”
			<a href="#">NutritionOrder.status</a>	“Substance, Order” (nutritional substance)	<a href="#">request-status value set</a> <ul style="list-style-type: none"> <li>● draft</li> <li>● active</li> <li>● on-hold</li> <li>● revoked</li> <li>● completed</li> <li>● entered-in-error</li> <li>● unknown</li> </ul>	<ul style="list-style-type: none"> <li>● active</li> <li>● on-hold</li> <li>● completed</li> </ul>	Maintain existing mapping.  For the Bonnie tool conversion, default to “completed”

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			<i>status</i> attribute	QDM datatype	Value set	QDM constraint	User Group Feedback	
10 Minutes	QDM 5.6 to QI-Core Mapping - <i>status</i> attributes (cont.)	Floyd Eisenberg (ESAC)	<a href="#">Observation, status</a>	“Assessment, Performed”	<a href="#">observation-status value set</a> <ul style="list-style-type: none"> <li>• registered</li> <li>• preliminary</li> <li>• final</li> <li>• amended</li> <li>• corrected</li> <li>• cancelled</li> <li>• entered-in-error</li> <li>• unknown</li> </ul>	<ul style="list-style-type: none"> <li>• final</li> <li>• amended</li> <li>• corrected</li> </ul>	Maintain existing mappings. Claudia Hall (Mathematica) asked if preliminary should be included to capture the case where a diagnostic study performed near the end of measurement period has a status of preliminary. Howard Bregman (Epic) noted in theory a diagnostic test may be preliminary, but practically very few tests have a preliminary status. Decision: The User Group agreed to not add preliminary.  For the Bonnie tool conversion, default to “final”	
			“Patient Care Experience”	“Provider Care Experience”				“Diagnostic Study, Performed”
			“Symptom”				<ul style="list-style-type: none"> <li>• final</li> <li>• amended</li> <li>• corrected</li> </ul>	Maintain existing mapping.  For the Bonnie tool conversion, default to “final”



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10 Minutes	QDM 5.6 to QI-Core Mapping - <i>status</i> attributes (cont.)	Floyd Eisenberg (ESAC)	<a href="#">Procedure.status</a>	"Intervention, Performed"	<a href="#">event-status value set</a> <ul style="list-style-type: none"> <li>• preparation</li> <li>• in-progress</li> <li>• not-done</li> <li>• on-hold</li> <li>• stopped</li> <li>• completed</li> <li>• entered-in-error</li> <li>• unknown</li> </ul>	• completed	Maintain existing mapping. Michael Ryan (NCQA) noted a measure with chemotherapy exclusion looks for completed or in-progress procedures. Howard Bregman (Epic) noted there is no discrete recording of a course of chemotherapy being in progress. Every event is treated as its own procedure. To exclude by looking for any chemo procedure would not miss a procedure because of the status. Completed is the most common status.  For the Bonnie tool conversion, default to "completed"
				"Procedure, Performed"			

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10 Minutes	QDM 5.6 to QI-Core Mapping - <i>status</i> attributes (cont.)	Floyd Eisenberg (ESAC)	<a href="#">ServiceRequest.status</a>	"Assessment, Order"	<a href="#">request-status value set</a> <ul style="list-style-type: none"> <li>● draft</li> <li>● active</li> <li>● on-hold</li> <li>● revoked</li> <li>● completed</li> <li>● entered-in-error</li> <li>● unknown</li> </ul>	<ul style="list-style-type: none"> <li>● active</li> <li>● on-hold</li> <li>● completed</li> </ul>	Modify existing mapping to remove "on-hold" to constrain only to active and completed.  For the Bonnie tool conversion, default to "completed"
		"Assessment, Recommended"					
		"Device, Order"					
		"Device, Recommended"					
		"Diagnostic Study, Order"					
		"Diagnostic Study, Recommended"					
		"Encounter, Order"					
		"Encounter, Recommended"					

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			<a href="#">ServiceRequest.status</a>	“Intervention, Order” “Intervention, Recommended” “Laboratory Test, Order” “Laboratory Test, Recommended” “Physical Exam, Order” “Physical Exam, Recommended” “Procedure, Order” “Procedure, Recommended”	<a href="#">request-status value set</a> <ul style="list-style-type: none"> <li>● draft</li> <li>● active</li> <li>● on-hold</li> <li>● revoked</li> <li>● completed</li> <li>● entered-in-error</li> <li>● unknown</li> </ul>	<ul style="list-style-type: none"> <li>● active</li> <li>● on-hold</li> <li>● completed</li> </ul>	Modify existing mapping to remove “on-hold” to constrain only to active and completed.  For the Bonnie tool conversion, default to “completed”
			<p><b>Resolution/Next Steps:</b>            ESAC will update the mappings based on User Group discussions for the next version of QDM to QI-Core mapping and add FHIR trackers for these changes for the Clinical Quality Information Workgroup. ESAC will also provide the tooling teams a list of recommendations for default values to apply in automatic conversions in the Bonnie tool.</p>				

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10 Minutes	<i>negationRationale</i> timings	Floyd Eisenberg (ESAC)	<p><b>Overview:</b> For the following FHIR resources negation rationale is addressed as outlined below. Some require changes to existing mappings for <i>author dateTime</i> in the QDM to QI-Core mapping tables.</p> <p><b>ServiceRequest: - no change required</b> <a href="#">QICoreServiceNotRequested</a>, which contains:</p> <ul style="list-style-type: none"> <li>• <a href="#">ServiceRequest.doNotPerform</a> - Value Boolean fixed to “true”</li> <li>• <a href="#">ServiceRequest.status</a> - Fixed as “completed”</li> <li>• <a href="#">ServiceRequest.extension:reasonRefused</a> - Use value set <a href="#">NegationReasonCodes</a></li> <li>• <a href="#">ServiceRequest.authoredOn</a> - When this was made available</li> <li>• <a href="#">ServiceRequest.code</a> - Use <a href="#">ServiceRequest.code.coding.extension:notDoneValueSet</a> to indicate the specific ServiceRequest that was not performed</li> </ul> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Applies to these QDM datatypes: Timing QDM <i>author dateTime</i> maps to ServiceRequest.authoredOn</td> </tr> <tr> <td>“Assessment, Order”</td> <td>“Intervention, Order”</td> </tr> <tr> <td>“Assessment, Recommended”</td> <td>“Intervention, Recommended”</td> </tr> <tr> <td>“Device, Order” (non-patient-use devices)</td> <td>“Laboratory Test, Order”</td> </tr> <tr> <td>“Device, Recommended”</td> <td>“Laboratory Test, Recommended”</td> </tr> <tr> <td>“Diagnostic Study, Order”</td> <td>“Physical Exam, Order”</td> </tr> <tr> <td>“Diagnostic Study, Recommended”</td> <td>“Physical Exam, Recommended”</td> </tr> <tr> <td>“Encounter, Order”</td> <td>“Procedure, Order”</td> </tr> <tr> <td>“Encounter, Recommended”</td> <td>“Procedure, Recommended”</td> </tr> </table>	Applies to these QDM datatypes: Timing QDM <i>author dateTime</i> maps to ServiceRequest.authoredOn		“Assessment, Order”	“Intervention, Order”	“Assessment, Recommended”	“Intervention, Recommended”	“Device, Order” (non-patient-use devices)	“Laboratory Test, Order”	“Device, Recommended”	“Laboratory Test, Recommended”	“Diagnostic Study, Order”	“Physical Exam, Order”	“Diagnostic Study, Recommended”	“Physical Exam, Recommended”	“Encounter, Order”	“Procedure, Order”	“Encounter, Recommended”	“Procedure, Recommended”
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10 Minutes	<i>negationRationale</i> timings (cont.)	Floyd Eisenberg (ESAC)	<p><b>Observation: - no change required</b></p> <p>Use <a href="#">QICoreObservationNotDone</a>, which contains:</p> <ul style="list-style-type: none"> <li>• <a href="#">Observation.modifierExtension:notDone</a> - Value Boolean fixed to “true”</li> <li>• <a href="#">Observation.status</a> - Fixed as “final”</li> <li>• <a href="#">Observation.extension:notDoneReason</a> - Use value set <a href="#">NegationReasonCodes</a></li> <li>• <a href="#">Observation.issued</a> - When this was made available</li> <li>• <a href="#">Observation.code*</a> - Use <a href="#">Observation.code.coding.extension:notDoneValueSet</a> to indicate the specific Observation that was not performed</li> </ul> <p><u>Applies to these QDM datatypes:</u></p> <p><u>Timing QDM <i>author date</i>Time maps to</u> Observation.issued</p> <table border="1"> <tr> <td>“Assessment, Performed”</td> <td></td> </tr> <tr> <td>“Patient Care Experience”</td> <td></td> </tr> <tr> <td>“Provider Care Experience”</td> <td></td> </tr> <tr> <td>“Diagnostic Study, Performed”</td> <td></td> </tr> <tr> <td>“Laboratory Test, Performed”</td> <td></td> </tr> <tr> <td>“Physical Exam, Performed”</td> <td></td> </tr> <tr> <td>“Symptom”</td> <td></td> </tr> </table>	“Assessment, Performed”		“Patient Care Experience”		“Provider Care Experience”		“Diagnostic Study, Performed”		“Laboratory Test, Performed”		“Physical Exam, Performed”		“Symptom”	
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<a href="#">“Device, Order” (patient-use devices)</a>													

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10 Minutes	<i>negationRationale</i> timings (cont.)	Floyd Eisenberg (ESAC)	<p><b>Immunization:</b> Use <a href="#">QICoreImmunizationNotDone</a>, which contains: <b>[Change Required - Current mapping suggests QICoreMedicationRequestNotDone – This is an error; correct content below.]</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Immunizationnotdone</a> Value Boolean fixed to “true”</li> <li>• <a href="#">Immunization.status</a> Fixed as “not-done”</li> <li>• <a href="#">Immunization.statusReason</a> - Use value set <a href="#">NegationReasonCodes</a></li> <li>• <a href="#">Immunization.recorded</a> - dateTime</li> <li>• <a href="#">Immunization.vaccinecode.valueset-reference</a> to indicate the specific immunization that was not administered</li> </ul> <table border="1"> <tr> <td colspan="2"><b>Applies to these QDM datatypes:</b> Timing QDM <i>author dateTime</i> maps to Immunization.recorded</td> </tr> <tr> <td>“Immunization, Administered”</td> <td></td> </tr> </table> <p><b>MedicationRequest: No change required</b> Use <a href="#">QICoreMedicationNotRequested</a>, which contains:</p> <ul style="list-style-type: none"> <li>• <a href="#">MedicationRequest.doNotPerform</a> - Value Boolean fixed to “true”</li> <li>• <a href="#">MedicationRequest.status</a> - Fixed as “completed”</li> <li>• <a href="#">MedicationRequest.reasonCode</a> - Use value set <a href="#">NegationReasonCodes</a></li> <li>• <a href="#">MedicationRequest.authoredOn</a> - When this was made available</li> <li>• <a href="#">MedicationRequest.medication[x]</a> - Use <a href="#">MedicationRequest.medication[x].coding.extension:notDoneValueSet</a> to indicate the specific MedicationRequest that was not performed</li> </ul> <table border="1"> <tr> <td colspan="2"><b>Applies to these QDM datatypes:</b> Timing QDM <i>author dateTime</i> maps to MedicationRequest.authoredOn</td> </tr> <tr> <td>“Immunization, Order”</td> <td></td> </tr> <tr> <td>“Medication, Active”</td> <td></td> </tr> <tr> <td>“Medication, Discharge”</td> <td></td> </tr> <tr> <td>“Medication, Order”</td> <td></td> </tr> <tr> <td>“Medication, Recommended”</td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>	<b>Applies to these QDM datatypes:</b> Timing QDM <i>author dateTime</i> maps to Immunization.recorded		“Immunization, Administered”		<b>Applies to these QDM datatypes:</b> Timing QDM <i>author dateTime</i> maps to MedicationRequest.authoredOn		“Immunization, Order”		“Medication, Active”		“Medication, Discharge”		“Medication, Order”		“Medication, Recommended”			
<b>Applies to these QDM datatypes:</b> Timing QDM <i>author dateTime</i> maps to Immunization.recorded																					
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Time	Item	Presenter	Discussion/Options/Decisions																
10 Minutes	<i>negationRationale</i> timings (cont.)	Floyd Eisenberg (ESAC)	<p><b>MedicationDispense: Change required – currently there is no mapping. Map to MedicationDispense.extension:recorded.</b></p> <p>Use <a href="#">QICoreMedicationDispenseNotDone</a>, which contains:</p> <ul style="list-style-type: none"> <li>• <a href="#">MedicationDispense.status</a> - Fixed as “declined”</li> <li>• <a href="#">MedicationDispense.statusReason[x]</a> - Use value set <a href="#">NegationReasonCodes</a></li> <li>• <a href="#">MedicationDispense.extension:recorded</a> - When this was made available</li> <li>• <a href="#">MedicationDispense.medication[x]</a> - Use <a href="#">MedicationDispense.medication[x].coding.extension:notDoneValueSet</a> to indicate the specific MedicationDispense that was not performed</li> </ul> <table border="1"> <tr> <td colspan="2"><b>Applies to these QDM datatypes:</b></td> </tr> <tr> <td colspan="2">Timing QDM <i>author dateTime</i> maps to MedicationDispense.extension:recorded</td> </tr> <tr> <td>“Medication, Dispensed”</td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table> <p><b>MedicationAdministration: Change required – currently there is no mapping. Map to MedicationAdministration.extension:recorded.</b></p> <p>Use <a href="#">QICoreMedicationAdministrationNotDone</a>, which contains:</p> <ul style="list-style-type: none"> <li>• <a href="#">MedicationAdministration.status</a> - Fixed as “not-done”</li> <li>• <a href="#">MedicationAdministration.statusReason</a> - Use value set <a href="#">NegationReasonCodes</a></li> <li>• <a href="#">MedicationAdministration.extension:recorded</a> - When this was made available</li> <li>• <a href="#">MedicationAdministration.medication[x]</a> - Use <a href="#">MedicationAdministration.medication[x].coding.extension:notDoneValueSet</a> to indicate the specific MedicationAdministration that was not performed</li> </ul> <table border="1"> <tr> <td colspan="2"><b>Applies to these QDM datatypes:</b></td> </tr> <tr> <td colspan="2">Timing QDM <i>author dateTime</i> maps to MedicationAdministration.extension:recorded</td> </tr> <tr> <td>“Medication, Administered”</td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>	<b>Applies to these QDM datatypes:</b>		Timing QDM <i>author dateTime</i> maps to MedicationDispense.extension:recorded		“Medication, Dispensed”				<b>Applies to these QDM datatypes:</b>		Timing QDM <i>author dateTime</i> maps to MedicationAdministration.extension:recorded		“Medication, Administered”			
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Time	Item	Presenter	Discussion/Options/Decisions										
10 Minutes	<i>negationRationale</i> timings (cont.)	Floyd Eisenberg (ESAC)	<p><b>Procedure: Change required – currently there is no mapping. Map to Procedure.extension:recorded.</b></p> <p>Use <a href="#">QICoreProcedureNotDone</a>, which contains:</p> <ul style="list-style-type: none"> <li>• <a href="#">Procedure.status</a> - Fixed as “not-done”</li> <li>• <a href="#">Procedure.statusReason</a> - Use value set <a href="#">NegationReasonCodes</a></li> <li>• <a href="#">Procedure.extension:recorded</a> - When this was made available</li> <li>• <a href="#">Procedure.code</a> - Use <a href="#">Procedure.code.coding.extension:notDoneValueSet</a> to indicate the specific Procedure that was not performed</li> </ul> <table border="1"> <tr> <td colspan="2"><b>Applies to these QDM datatypes:</b></td> </tr> <tr> <td colspan="2"><b>Timing QDM <i>author dateTime</i> maps to Procedure.extension:recorded</b></td> </tr> <tr> <td>“Intervention, Performed”</td> <td></td> </tr> <tr> <td>“Procedure, Performed”</td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table> <p><b>Resolution/Next Steps:</b> ESAC will update the mappings that were missing based on User Group discussions for the next version of QDM to QI-Core mapping and add FHIR trackers for these changes for the Clinical Quality Information Workgroup.</p>	<b>Applies to these QDM datatypes:</b>		<b>Timing QDM <i>author dateTime</i> maps to Procedure.extension:recorded</b>		“Intervention, Performed”		“Procedure, Performed”			
<b>Applies to these QDM datatypes:</b>													
<b>Timing QDM <i>author dateTime</i> maps to Procedure.extension:recorded</b>													
“Intervention, Performed”													
“Procedure, Performed”													
5 Minutes	General Discussion	Floyd Eisenberg (ESAC)	None at this time.										
5 Minutes	Next Meeting	Traci Psihas (ESAC)	<p><b>Agenda items for next QDM user group meeting</b></p> <ul style="list-style-type: none"> <li>– Contact us at <a href="mailto:qdm@esacinc.com">qdm@esacinc.com</a></li> <li>– Or start a discussion: <a href="mailto:qdm-user-group-list@esacinc.com">qdm-user-group-list@esacinc.com</a></li> </ul> <p><b>Next user group meeting</b></p> <ul style="list-style-type: none"> <li>– May 19, 2021 from 2:30 to 4:30 PM ET.</li> </ul>										

**Invitees/Attendees:**

Attended	Name	Organization
N/A	Abrar Salam	The Joint Commission
N/A	Alex Borenstein	Greenway Health
N/A	Alex Lui	Epic
X	Alyson Narveson	Nebraska Health Network
X	Amanda Grant	Unknown
N/A	Andy Kubilius	The Joint Commission
X	Angela Flanagan	Lantana
X	Ann-Marie Dunn	Cerner
N/A	Ann Philips	NCQA
N/A	Anna Bentler	The Joint Commission
X	Anne Coultas	All Scripts
N/A	Anne Smith	NCQA
N/A	Amira Elhagmusa	Battelle
N/A	Balu Balasubramanyam	MITRE
N/A	Ben Hamlin	NCQA
N/A	Benjamin Bussey	Unknown
N/A	Beth Bostrom	AMA
N/A	Brian Blaufeux	Northern Westchester Hospital
N/A	Bidget Blake	MITRE
X	Brooke Villarreal	Unknown
N/A	Bryn Rhodes	ESAC
N/A	Carolyn Anderson	Primary care practice
N/A	Chana West	CDQ Solutions
N/A	Chris Moesel	MITRE
N/A	Cindy Lamb	Telligen
X	Claudia Hall	Mathematica
N/A	Corrie Dowell	BSW Health
N/A	Dalana Ostile	Providence Health Systems
N/A	Dawn Lane	Covenant Health
X	Dave Mishler	Care Evolution
N/A	David Brian	Unknown
N/A	David Clayman	Allscripts
N/A	Debbie Hall	University of Maryland
N/A	Debbie McKay	Unknown
N/A	Deidre Sacra	McKesson
N/A	Doug Goldstein	Epic
X	Dorothy Lee	Unknown
X	Evelyn Cody	Mathematica
X	Floyd Eisenberg	ESAC
N/A	Gary Rezik	QIP

Attended	Name	Organization
N/A	L Dejesus	Informedika
N/A	Lisa Anderson	NCQA
N/A	Lizzie Charboneau	MITRE
N/A	Lynn Perrine	Lantana
N/A	Maggie Lohnes	IMPAQ
N/A	Marc Hadley	MITRE
N/A	Marc Hallez	The Joint Commission
N/A	Marc Overhage	Cerner
N/A	Margaret Dobson	Zepf Center
N/A	Matt Hardman	Unknown
X	Marilyn Parenzan	The Joint Commission
N/A	Martha Radford	NYU
N/A	Melissa Van Fleet	Alliance Health Oklahoma
N/A	Mia Nievera	The Joint Commission
N/A	Michael Mainridge	Unknown
X	Michael Ryan	NCQA
N/A	Mike Nosal	MITRE
N/A	Michelle Dardis	Mathematica
N/A	Michelle Hinterberg	MediSolv
X	Michelle Lefebvre	IMPAQ
N/A	Mike Shoemaker	Telligen
N/A	Mukesh Allu	Epic
X	Nayaab Baig	Unknown
N/A	Neelam Zafar	The Joint Commission
X	Nicole Hunter	Semantic Bits
N/A	Pamela Mahan-Rudolph	Memorial Hermann
X	Paul Denning	MITRE
X	Peter Muir	ESAC
N/A	Piper Ranallo	AAN
N/A	Qainta Harris	Arise Medical Center
N/A	Rachel Buchanan	Oregon Urology
N/A	Rajvi Shah	Unknown
N/A	Rayna Scott	PCPI
N/A	R Swaineng	Swaineng Associates
N/A	Rebecca Baer	NCQA
N/A	Rhonda Schwartz	ESAC
N/A	Rob McClure	MD Partners
N/A	Rob Samples	ESAC
N/A	Robin Holder	Unknown
N/A	Rose Almonte	MITRE



Attended	Name	Organization
N/A	Ganesh Shanmugam	Glenwood Systems
N/A	Gayathri Jayawardena	ESAC
N/A	Grace Glennon	Yale CORE
X	Howard Bregman	Epic
N/A	Huy	Unknown
N/A	Isbelia Briceno	Cerner
N/A	James Bradley	MITRE
N/A	Jamie Lehner	PCPI
N/A	Jana Malinowski	Cerner
N/A	Janet Wagner	Unknown
X	Jen Seeman	ESAC
N/A	Jennifer Distefano	Unknown
N/A	Jenna Williams-Bader	NCQA
N/A	Jill Shuemaker	VCU Health
N/A	John Carroll	The Joint Commission
N/A	John Lujan	Kaiser Permanente
N/A	Jessica Smails	Caradigm
N/A	Joe Bormel	Cognitive Medicine
N/A	Joseph Kunisch	Memorial Hermann
N/A	Johanna Ward	Mathematica
N/A	Jorge Belmonte	PCPI
N/A	Julie Koscuiszka	Nyack Hospital
N/A	Juliet Rubini	Mathematica
N/A	Justin Schirle	Epic
N/A	Jay Frails	Meditech
N/A	Katie Magoulick	IMPAQ
X	Kathy Carson	SemanticBits
N/A	Kathy Clous	Memorial Care
N/A	Kimberly Smuk	HSAG
N/A	KP Sethi	Lantana
N/A	Latasha Archer	NCQA
N/A	Laura Pearlman	Midwest Center for Women's Healthcare
N/A	Laurie Wissell	Allscripts

Attended	Name	Organization
N/A	Ruth Gatiba	Battelle
N/A	Ryan Clark	NCQA
N/A	Ryan Guifoyle	Unknown
N/A	Samuel Benton	NCQA
N/A	Sarah Sims	My Patient Insight
N/A	Sethuraman Ramanan	Cognizant
N/A	Shanna Hartman	CMS
N/A	Sheila Aguilar	TJC
N/A	Shellie T	Unknown
N/A	Stan Rankins	Telligen
N/A	Susan Wisnieski	Meditech
N/A	Syed Zeeshan	eDaptive Systems
N/A	Tammy Kuschel	McKesson
N/A	Tess Rayle	Unknown
N/A	Thoma Hudson	Parkview
N/A	Tom Dunn	Telligen
X	Traci Psihas	ESAC
N/A	Vaspaan Patel	NCQA
N/A	Wendy Wise	Lantana
X	Yan Heras	ESAC
X	Yanyan Hu	The Joint Commission
N/A	Yiscah Bracha	RTI
N/A	Yvette Apura	ASCO
N/A	Zahid Butt	MediSolv
N/A	Zeeshan Pasha	Unknown
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A