

## Quality Data Model (QDM) version 2.1.1.1 October 2012

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This version of the QDM is currently released in the Measure Authoring Tool (MAT) and was used in the development of the 2014 Clinical Quality Measures (electronic specifications) for Meaningful Use Stage 2.

This version of the QDM reflects the following update that pertains to the 2014 Clinical Quality Measures:

- Inclusion of the datatype *Medication, Discharge*

### Overview

The Quality Data Model (QDM) is an “information model” that defines concepts used in quality measures and clinical care and is intended to enable automation of electronic health record (EHR) use. It provides a way to describe clinical concepts in a standardized format so individuals (i.e., providers, researchers, measure developers) monitoring clinical performance and outcomes can clearly and concisely communicate necessary information. The QDM describes information so that EHR and other clinical electronic system vendors can consistently interpret and easily locate the data required.

The QDM provides the potential for more precisely defined, universally adopted electronic quality measures to automate measurement and compare and improve quality using electronic health information. Use of the QDM will enable more standardized, less burdensome quality measurement and reporting and more consistent use and communication of EHRs for direct patient care. In addition to enabling comparisons across performance measures, the QDM can promote delivery of more appropriate, consistent, and evidence-based care through clinical decision support applications.

### Structure

The QDM version 2.1.1.1 October 2012 is structured using Categories that are further described utilizing datatypes and attributes. The following table lists the categories, datatypes and attributes available in this version of the QDM. The data flow attributes of source, recorder and health record field can be associated with any datatype.

Category	Datatype	Attribute
Care Experience	Patient Care Experience	negation rationale
Care Experience	Patient Care Experience	patient preference
Care Experience	Patient Care Experience	provider preference

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Category	Datatype	Attribute
Care Experience	Patient Care Experience	start datetime
Care Experience	Patient Care Experience	stop datetime
Care Experience	Provider Care Experience	negation rationale
Care Experience	Provider Care Experience	patient preference
Care Experience	Provider Care Experience	provider preference
Care Experience	Provider Care Experience	start datetime
Care Experience	Provider Care Experience	stop datetime
Care Goal	Care Goal	negation rationale
Care Goal	Care Goal	patient preference
Care Goal	Care Goal	provider preference
Care Goal	Care Goal	related to
Care Goal	Care Goal	start datetime
Care Goal	Care Goal	stop datetime
Communication	Communication: From Patient to Provider	negation rationale
Communication	Communication: From Patient to Provider	patient preference
Communication	Communication: From Patient to Provider	provider preference
Communication	Communication: From Patient to Provider	start datetime
Communication	Communication: From Patient to Provider	stop datetime
Communication	Communication: From Provider to Patient	negation rationale
Communication	Communication: From Provider to Patient	patient preference
Communication	Communication: From Provider to Patient	provider preference
Communication	Communication: From Provider to Patient	start datetime
Communication	Communication: From Provider to Patient	stop datetime
Communication	Communication: From Provider to Provider	negation rationale
Communication	Communication: From Provider to Provider	patient preference
Communication	Communication: From Provider to Provider	provider preference
Communication	Communication: From Provider to Provider	start datetime
Communication	Communication: From Provider to Provider	stop datetime
Condition/Diagnosis/Problem	Diagnosis, Active	negation rationale

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Category	Datatype	Attribute
Condition/Diagnosis/Problem	Diagnosis, Active	laterality
Condition/Diagnosis/Problem	Diagnosis, Active	ordinality
Condition/Diagnosis/Problem	Diagnosis, Active	patient preference
Condition/Diagnosis/Problem	Diagnosis, Active	provider preference
Condition/Diagnosis/Problem	Diagnosis, Active	severity
Condition/Diagnosis/Problem	Diagnosis, Active	start datetime
Condition/Diagnosis/Problem	Diagnosis, Active	status
Condition/Diagnosis/Problem	Diagnosis, Active	stop datetime
Condition/Diagnosis/Problem	Diagnosis, Family History	negation rationale
Condition/Diagnosis/Problem	Diagnosis, Family History	ordinality
Condition/Diagnosis/Problem	Diagnosis, Family History	patient preference
Condition/Diagnosis/Problem	Diagnosis, Family History	provider preference
Condition/Diagnosis/Problem	Diagnosis, Family History	severity
Condition/Diagnosis/Problem	Diagnosis, Family History	start datetime
Condition/Diagnosis/Problem	Diagnosis, Family History	status
Condition/Diagnosis/Problem	Diagnosis, Family History	stop datetime
Condition/Diagnosis/Problem	Diagnosis, Inactive	negation rationale
Condition/Diagnosis/Problem	Diagnosis, Inactive	ordinality
Condition/Diagnosis/Problem	Diagnosis, Inactive	patient preference
Condition/Diagnosis/Problem	Diagnosis, Inactive	provider preference
Condition/Diagnosis/Problem	Diagnosis, Inactive	severity
Condition/Diagnosis/Problem	Diagnosis, Inactive	start datetime
Condition/Diagnosis/Problem	Diagnosis, Inactive	status
Condition/Diagnosis/Problem	Diagnosis, Inactive	stop datetime
Condition/Diagnosis/Problem	Diagnosis, Resolved	negation rationale
Condition/Diagnosis/Problem	Diagnosis, Resolved	ordinality
Condition/Diagnosis/Problem	Diagnosis, Resolved	patient preference
Condition/Diagnosis/Problem	Diagnosis, Resolved	provider preference
Condition/Diagnosis/Problem	Diagnosis, Resolved	severity

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Category	Datatype	Attribute
Condition/Diagnosis/Problem	Diagnosis, Resolved	start datetime
Condition/Diagnosis/Problem	Diagnosis, Resolved	status
Condition/Diagnosis/Problem	Diagnosis, Resolved	stop datetime
Device	Device, Adverse Event	negation rationale
Device	Device, Adverse Event	patient preference
Device	Device, Adverse Event	provider preference
Device	Device, Adverse Event	reaction
Device	Device, Adverse Event	start datetime
Device	Device, Adverse Event	stop datetime
Device	Device, Allergy	negation rationale
Device	Device, Allergy	patient preference
Device	Device, Allergy	provider preference
Device	Device, Allergy	reaction
Device	Device, Allergy	start datetime
Device	Device, Allergy	stop datetime
Device	Device, Applied	negation rationale
Device	Device, Applied	anatomical structure
Device	Device, Applied	patient preference
Device	Device, Applied	provider preference
Device	Device, Applied	start datetime
Device	Device, Applied	removal datetime
Device	Device, Applied	reason
Device	Device, Intolerance	negation rationale
Device	Device, Intolerance	patient preference
Device	Device, Intolerance	provider preference
Device	Device, Intolerance	reaction
Device	Device, Intolerance	start datetime
Device	Device, Intolerance	stop datetime
Device	Device, Order	negation rationale

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Category	Datatype	Attribute
Device	Device, Order	patient preference
Device	Device, Order	provider preference
Device	Device, Order	reason
Device	Device, Order	start datetime
Device	Device, Order	stop datetime
Device	Device, Recommended	negation rationale
Device	Device, Recommended	patient preference
Device	Device, Recommended	provider preference
Device	Device, Recommended	reason
Device	Device, Recommended	start datetime
Device	Device, Recommended	stop datetime
Diagnostic Study	Diagnostic Study, Adverse Event	negation rationale
Diagnostic Study	Diagnostic Study, Adverse Event	patient preference
Diagnostic Study	Diagnostic Study, Adverse Event	provider preference
Diagnostic Study	Diagnostic Study, Adverse Event	radiation dosage
Diagnostic Study	Diagnostic Study, Adverse Event	radiation duration
Diagnostic Study	Diagnostic Study, Adverse Event	reaction
Diagnostic Study	Diagnostic Study, Adverse Event	start datetime
Diagnostic Study	Diagnostic Study, Adverse Event	stop datetime
Diagnostic Study	Diagnostic Study, Intolerance	negation rationale
Diagnostic Study	Diagnostic Study, Intolerance	patient preference
Diagnostic Study	Diagnostic Study, Intolerance	provider preference
Diagnostic Study	Diagnostic Study, Intolerance	radiation dosage
Diagnostic Study	Diagnostic Study, Intolerance	radiation duration
Diagnostic Study	Diagnostic Study, Intolerance	reaction
Diagnostic Study	Diagnostic Study, Intolerance	start datetime
Diagnostic Study	Diagnostic Study, Intolerance	stop datetime
Diagnostic Study	Diagnostic Study, Order	method
Diagnostic Study	Diagnostic Study, Order	negation rationale

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Category	Datatype	Attribute
Diagnostic Study	Diagnostic Study, Order	patient preference
Diagnostic Study	Diagnostic Study, Order	provider preference
Diagnostic Study	Diagnostic Study, Order	radiation dosage
Diagnostic Study	Diagnostic Study, Order	radiation duration
Diagnostic Study	Diagnostic Study, Order	reason
Diagnostic Study	Diagnostic Study, Order	start datetime
Diagnostic Study	Diagnostic Study, Order	stop datetime
Diagnostic Study	Diagnostic Study, Performed	facility location
Diagnostic Study	Diagnostic Study, Performed	method
Diagnostic Study	Diagnostic Study, Performed	negation rationale
Diagnostic Study	Diagnostic Study, Performed	patient preference
Diagnostic Study	Diagnostic Study, Performed	provider preference
Diagnostic Study	Diagnostic Study, Performed	radiation dosage
Diagnostic Study	Diagnostic Study, Performed	radiation duration
Diagnostic Study	Diagnostic Study, Performed	reason
Diagnostic Study	Diagnostic Study, Performed	start datetime
Diagnostic Study	Diagnostic Study, Performed	stop datetime
Diagnostic Study	Diagnostic Study, Recommended	method
Diagnostic Study	Diagnostic Study, Recommended	negation rationale
Diagnostic Study	Diagnostic Study, Recommended	patient preference
Diagnostic Study	Diagnostic Study, Recommended	provider preference
Diagnostic Study	Diagnostic Study, Recommended	radiation dosage
Diagnostic Study	Diagnostic Study, Recommended	radiation duration
Diagnostic Study	Diagnostic Study, Recommended	start datetime
Diagnostic Study	Diagnostic Study, Recommended	stop datetime
Diagnostic Study	Diagnostic Study, Result	method
Diagnostic Study	Diagnostic Study, Result	negation rationale
Diagnostic Study	Diagnostic Study, Result	patient preference
Diagnostic Study	Diagnostic Study, Result	provider preference

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Category	Datatype	Attribute
Diagnostic Study	Diagnostic Study, Result	radiation dosage
Diagnostic Study	Diagnostic Study, Result	radiation duration
Diagnostic Study	Diagnostic Study, Result	reason
Diagnostic Study	Diagnostic Study, Result	result
Diagnostic Study	Diagnostic Study, Result	status
Diagnostic Study	Diagnostic Study, Result	start datetime
Diagnostic Study	Diagnostic Study, Result	stop datetime
Encounter	Encounter, Active	length of stay
Encounter	Encounter, Active	facility location
Encounter	Encounter, Active	negation rationale
Encounter	Encounter, Active	patient preference
Encounter	Encounter, Active	provider preference
Encounter	Encounter, Active	reason
Encounter	Encounter, Active	admission datetime
Encounter	Encounter, Active	discharge datetime
Encounter	Encounter, Active	facility location arrival datetime
Encounter	Encounter, Active	facility location departure datetime
Encounter	Encounter, Order	facility location
Encounter	Encounter, Order	negation rationale
Encounter	Encounter, Order	patient preference
Encounter	Encounter, Order	provider preference
Encounter	Encounter, Order	reason
Encounter	Encounter, Order	start datetime
Encounter	Encounter, Order	stop datetime
Encounter	Encounter, Performed	discharge status
Encounter	Encounter, Performed	length of stay
Encounter	Encounter, Performed	facility location

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Category	Datatype	Attribute
Encounter	Encounter, Performed	negation rationale
Encounter	Encounter, Performed	patient preference
Encounter	Encounter, Performed	provider preference
Encounter	Encounter, Performed	reason
Encounter	Encounter, Performed	admission datetime
Encounter	Encounter, Performed	discharge datetime
Encounter	Encounter, Performed	facility location arrival datetime
Encounter	Encounter, Performed	facility location departure datetime
Encounter	Encounter, Recommended	facility location
Encounter	Encounter, Recommended	negation rationale
Encounter	Encounter, Recommended	patient preference
Encounter	Encounter, Recommended	provider preference
Encounter	Encounter, Recommended	reason
Encounter	Encounter, Recommended	start datetime
Encounter	Encounter, Recommended	stop datetime
Functional Status	Functional Status, Order	method
Functional Status	Functional Status, Order	negation rationale
Functional Status	Functional Status, Order	patient preference
Functional Status	Functional Status, Order	provider preference
Functional Status	Functional Status, Order	reason
Functional Status	Functional Status, Order	start datetime
Functional Status	Functional Status, Order	stop datetime
Functional Status	Functional Status, Performed	method
Functional Status	Functional Status, Performed	negation rationale
Functional Status	Functional Status, Performed	patient preference
Functional Status	Functional Status, Performed	provider preference
Functional Status	Functional Status, Performed	reason



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Category	Datatype	Attribute
Functional Status	Functional Status, Performed	start datetime
Functional Status	Functional Status, Performed	stop datetime
Functional Status	Functional Status, Recommended	method
Functional Status	Functional Status, Recommended	negation rationale
Functional Status	Functional Status, Recommended	patient preference
Functional Status	Functional Status, Recommended	provider preference
Functional Status	Functional Status, Recommended	reason
Functional Status	Functional Status, Recommended	start datetime
Functional Status	Functional Status, Recommended	stop datetime
Functional Status	Functional Status, Result	method
Functional Status	Functional Status, Result	negation rationale
Functional Status	Functional Status, Result	patient preference
Functional Status	Functional Status, Result	provider preference
Functional Status	Functional Status, Result	reason
Functional Status	Functional Status, Result	result
Functional Status	Functional Status, Result	start datetime
Functional Status	Functional Status, Result	stop datetime
Individual Characteristic	Patient Characteristic	start datetime
Individual Characteristic	Patient Characteristic	stop datetime
Individual Characteristic	Patient Characteristic Birth Date	start datetime
Individual Characteristic	Patient Characteristic Birth Date	stop datetime
Individual Characteristic	Patient Characteristic Expired	date
Individual Characteristic	Patient Characteristic Expired	time
Individual Characteristic	Patient Characteristic Expired	reason

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Category	Datatype	Attribute
Individual Characteristic	Patient Characteristic Clinical Trial Participant	start datetime
Individual Characteristic	Patient Characteristic Clinical Trial Participant	stop datetime
Individual Characteristic	Patient Characteristic Clinical Trial Participant	reason
Individual Characteristic	Patient Characteristic Payer	start datetime
Individual Characteristic	Patient Characteristic Payer	stop datetime
Individual Characteristic	Patient Characteristic Sex	start datetime
Individual Characteristic	Patient Characteristic Sex	stop datetime
Individual Characteristic	Patient Characteristic Sex	reason
Individual Characteristic	Patient Characteristic Ethnicity	
Individual Characteristic	Patient Characteristic Race	
Individual Characteristic	Provider Characteristic	negation rationale
Individual Characteristic	Provider Characteristic	start datetime
Individual Characteristic	Provider Characteristic	stop datetime
Intervention	Intervention, Adverse Event	negation rationale
Intervention	Intervention, Adverse Event	patient preference
Intervention	Intervention, Adverse Event	provider preference
Intervention	Intervention, Adverse Event	reaction
Intervention	Intervention, Adverse Event	start datetime
Intervention	Intervention, Adverse Event	stop datetime

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Category	Datatype	Attribute
Intervention	Intervention, Intolerance	negation rationale
Intervention	Intervention, Intolerance	patient preference
Intervention	Intervention, Intolerance	provider preference
Intervention	Intervention, Intolerance	reaction
Intervention	Intervention, Intolerance	start datetime
Intervention	Intervention, Intolerance	stop datetime
Intervention	Intervention, Order	method
Intervention	Intervention, Order	negation rationale
Intervention	Intervention, Order	patient preference
Intervention	Intervention, Order	provider preference
Intervention	Intervention, Order	reason
Intervention	Intervention, Order	start datetime
Intervention	Intervention, Order	stop datetime
Intervention	Intervention, Performed	method
Intervention	Intervention, Performed	negation rationale
Intervention	Intervention, Performed	patient preference
Intervention	Intervention, Performed	provider preference
Intervention	Intervention, Performed	reason
Intervention	Intervention, Performed	start datetime
Intervention	Intervention, Performed	stop datetime
Intervention	Intervention, Recommended	method
Intervention	Intervention, Recommended	negation rationale
Intervention	Intervention, Recommended	patient preference
Intervention	Intervention, Recommended	provider preference
Intervention	Intervention, Recommended	reason
Intervention	Intervention, Recommended	start datetime
Intervention	Intervention, Recommended	stop datetime
Intervention	Intervention, Result	method
Intervention	Intervention, Result	negation rationale

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Category	Datatype	Attribute
Intervention	Intervention, Result	patient preference
Intervention	Intervention, Result	provider preference
Intervention	Intervention, Result	reason
Intervention	Intervention, Result	result
Intervention	Intervention, Result	start datetime
Intervention	Intervention, Result	stop datetime
Intervention	Intervention, Result	status
Laboratory Test	Laboratory Test, Adverse Event	negation rationale
Laboratory Test	Laboratory Test, Adverse Event	patient preference
Laboratory Test	Laboratory Test, Adverse Event	provider preference
Laboratory Test	Laboratory Test, Adverse Event	reaction
Laboratory Test	Laboratory Test, Adverse Event	start datetime
Laboratory Test	Laboratory Test, Adverse Event	stop datetime
Laboratory Test	Laboratory Test, Intolerance	negation rationale
Laboratory Test	Laboratory Test, Intolerance	patient preference
Laboratory Test	Laboratory Test, Intolerance	provider preference
Laboratory Test	Laboratory Test, Intolerance	reaction
Laboratory Test	Laboratory Test, Intolerance	start datetime
Laboratory Test	Laboratory Test, Intolerance	stop datetime
Laboratory Test	Laboratory Test, Order	method
Laboratory Test	Laboratory Test, Order	negation rationale
Laboratory Test	Laboratory Test, Order	patient preference
Laboratory Test	Laboratory Test, Order	provider preference
Laboratory Test	Laboratory Test, Order	reason
Laboratory Test	Laboratory Test, Order	start datetime
Laboratory Test	Laboratory Test, Order	stop datetime
Laboratory Test	Laboratory Test, Performed	method
Laboratory Test	Laboratory Test, Performed	negation rationale
Laboratory Test	Laboratory Test, Performed	patient preference

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Category	Datatype	Attribute
Laboratory Test	Laboratory Test, Performed	provider preference
Laboratory Test	Laboratory Test, Performed	reason
Laboratory Test	Laboratory Test, Performed	start datetime
Laboratory Test	Laboratory Test, Performed	stop datetime
Laboratory Test	Laboratory Test, Recommended	method
Laboratory Test	Laboratory Test, Recommended	negation rationale
Laboratory Test	Laboratory Test, Recommended	patient preference
Laboratory Test	Laboratory Test, Recommended	provider preference
Laboratory Test	Laboratory Test, Recommended	reason
Laboratory Test	Laboratory Test, Recommended	start datetime
Laboratory Test	Laboratory Test, Recommended	stop datetime
Laboratory Test	Laboratory Test, Result	method
Laboratory Test	Laboratory Test, Result	negation rationale
Laboratory Test	Laboratory Test, Result	patient preference
Laboratory Test	Laboratory Test, Result	provider preference
Laboratory Test	Laboratory Test, Result	reason
Laboratory Test	Laboratory Test, Result	result
Laboratory Test	Laboratory Test, Result	status
Laboratory Test	Laboratory Test, Result	start datetime
Laboratory Test	Laboratory Test, Result	stop datetime
Medication	Medication, Active	cumulative medication duration
Medication	Medication, Active	dose
Medication	Medication, Active	frequency
Medication	Medication, Active	negation rationale
Medication	Medication, Active	number
Medication	Medication, Active	patient preference
Medication	Medication, Active	provider preference
Medication	Medication, Active	refills

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Category	Datatype	Attribute
Medication	Medication, Active	route
Medication	Medication, Active	start datetime
Medication	Medication, Active	stop datetime
Medication	Medication, Discharge	dose
Medication	Medication, Discharge	frequency
Medication	Medication, Discharge	number
Medication	Medication, Discharge	patient preference
Medication	Medication, Discharge	provider preference
Medication	Medication, Discharge	refills
Medication	Medication, Discharge	route
Medication	Medication, Discharge	start datetime
Medication	Medication, Discharge	stop datetime
Medication	Medication, Administered	dose
Medication	Medication, Administered	reason
Medication	Medication, Administered	frequency
Medication	Medication, Administered	negation rationale
Medication	Medication, Administered	number
Medication	Medication, Administered	patient preference
Medication	Medication, Administered	provider preference
Medication	Medication, Administered	refills
Medication	Medication, Administered	route
Medication	Medication, Administered	start datetime
Medication	Medication, Administered	stop datetime
Medication	Medication, Administered	date
Medication	Medication, Administered	time
Medication	Medication, Adverse Effects	dose
Medication	Medication, Adverse Effects	frequency
Medication	Medication, Adverse Effects	negation rationale
Medication	Medication, Adverse Effects	number

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Category	Datatype	Attribute
Medication	Medication, Adverse Effects	patient preference
Medication	Medication, Adverse Effects	provider preference
Medication	Medication, Adverse Effects	reaction
Medication	Medication, Adverse Effects	refills
Medication	Medication, Adverse Effects	route
Medication	Medication, Adverse Effects	start datetime
Medication	Medication, Adverse Effects	stop datetime
Medication	Medication, Allergy	dose
Medication	Medication, Allergy	frequency
Medication	Medication, Allergy	negation rationale
Medication	Medication, Allergy	number
Medication	Medication, Allergy	patient preference
Medication	Medication, Allergy	provider preference
Medication	Medication, Allergy	reaction
Medication	Medication, Allergy	refills
Medication	Medication, Allergy	route
Medication	Medication, Allergy	start datetime
Medication	Medication, Allergy	stop datetime
Medication	Medication, Dispensed	cumulative medication duration
Medication	Medication, Dispensed	dose
Medication	Medication, Dispensed	frequency
Medication	Medication, Dispensed	negation rationale
Medication	Medication, Dispensed	number
Medication	Medication, Dispensed	patient preference
Medication	Medication, Dispensed	provider preference
Medication	Medication, Dispensed	refills
Medication	Medication, Dispensed	route
Medication	Medication, Dispensed	start datetime

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Category	Datatype	Attribute
Medication	Medication, Dispensed	stop datetime
Medication	Medication, Intolerance	dose
Medication	Medication, Intolerance	frequency
Medication	Medication, Intolerance	negation rationale
Medication	Medication, Intolerance	number
Medication	Medication, Intolerance	patient preference
Medication	Medication, Intolerance	provider preference
Medication	Medication, Intolerance	reaction
Medication	Medication, Intolerance	refills
Medication	Medication, Intolerance	route
Medication	Medication, Intolerance	start datetime
Medication	Medication, Intolerance	stop datetime
Medication	Medication, Order	cumulative medication duration
Medication	Medication, Order	dose
Medication	Medication, Order	frequency
Medication	Medication, Order	method
Medication	Medication, Order	negation rationale
Medication	Medication, Order	number
Medication	Medication, Order	patient preference
Medication	Medication, Order	provider preference
Medication	Medication, Order	reason
Medication	Medication, Order	refills
Medication	Medication, Order	route
Medication	Medication, Order	start datetime
Medication	Medication, Order	stop datetime
Physical Exam	Physical Exam, Finding	anatomical structure
Physical Exam	Physical Exam, Finding	method
Physical Exam	Physical Exam, Finding	negation rationale



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Category	Datatype	Attribute
Physical Exam	Physical Exam, Finding	patient preference
Physical Exam	Physical Exam, Finding	provider preference
Physical Exam	Physical Exam, Finding	reason
Physical Exam	Physical Exam, Finding	result
Physical Exam	Physical Exam, Finding	start datetime
Physical Exam	Physical Exam, Finding	stop datetime
Physical Exam	Physical Exam, Order	anatomical structure
Physical Exam	Physical Exam, Order	method
Physical Exam	Physical Exam, Order	negation rationale
Physical Exam	Physical Exam, Order	patient preference
Physical Exam	Physical Exam, Order	provider preference
Physical Exam	Physical Exam, Order	reason
Physical Exam	Physical Exam, Order	start datetime
Physical Exam	Physical Exam, Order	stop datetime
Physical Exam	Physical Exam, Performed	anatomical structure
Physical Exam	Physical Exam, Performed	method
Physical Exam	Physical Exam, Performed	negation rationale
Physical Exam	Physical Exam, Performed	patient preference
Physical Exam	Physical Exam, Performed	provider preference
Physical Exam	Physical Exam, Performed	reason
Physical Exam	Physical Exam, Performed	start datetime
Physical Exam	Physical Exam, Performed	stop datetime
Physical Exam	Physical Exam, Recommended	anatomical structure
Physical Exam	Physical Exam, Recommended	method
Physical Exam	Physical Exam, Recommended	negation rationale
Physical Exam	Physical Exam, Recommended	patient preference
Physical Exam	Physical Exam, Recommended	provider preference
Physical Exam	Physical Exam, Recommended	reason
Physical Exam	Physical Exam, Recommended	start datetime

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Category	Datatype	Attribute
Physical Exam	Physical Exam, Recommended	stop datetime
Procedure	Procedure, Adverse Event	negation rationale
Procedure	Procedure, Adverse Event	patient preference
Procedure	Procedure, Adverse Event	provider preference
Procedure	Procedure, Adverse Event	reaction
Procedure	Procedure, Adverse Event	start datetime
Procedure	Procedure, Adverse Event	stop datetime
Procedure	Procedure, Intolerance	negation rationale
Procedure	Procedure, Intolerance	patient preference
Procedure	Procedure, Intolerance	provider preference
Procedure	Procedure, Intolerance	reaction
Procedure	Procedure, Intolerance	start datetime
Procedure	Procedure, Intolerance	stop datetime
Procedure	Procedure, Order	ordinality
Procedure	Procedure, Order	method
Procedure	Procedure, Order	negation rationale
Procedure	Procedure, Order	patient preference
Procedure	Procedure, Order	provider preference
Procedure	Procedure, Order	reason
Procedure	Procedure, Order	start datetime
Procedure	Procedure, Order	stop datetime
Procedure	Procedure, Performed	method
Procedure	Procedure, Performed	negation rationale
Procedure	Procedure, Performed	ordinality
Procedure	Procedure, Performed	patient preference
Procedure	Procedure, Performed	provider preference
Procedure	Procedure, Performed	result
Procedure	Procedure, Performed	reason
Procedure	Procedure, Performed	start datetime

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Category	Datatype	Attribute
Procedure	Procedure, Performed	incision datetime
Procedure	Procedure, Performed	stop datetime
Procedure	Procedure, Recommended	ordinality
Procedure	Procedure, Recommended	method
Procedure	Procedure, Recommended	negation rationale
Procedure	Procedure, Recommended	patient preference
Procedure	Procedure, Recommended	provider preference
Procedure	Procedure, Recommended	reason
Procedure	Procedure, Recommended	start datetime
Procedure	Procedure, Recommended	stop datetime
Procedure	Procedure, Result	ordinality
Procedure	Procedure, Result	method
Procedure	Procedure, Result	radiation dosage
Procedure	Procedure, Result	radiation duration
Procedure	Procedure, Result	negation rationale
Procedure	Procedure, Result	patient preference
Procedure	Procedure, Result	provider preference
Procedure	Procedure, Result	reason
Procedure	Procedure, Result	result
Procedure	Procedure, Result	status
Procedure	Procedure, Result	start datetime
Procedure	Procedure, Result	stop datetime
Risk Category / Assessment	Risk Category Assessment	negation rationale
Risk Category / Assessment	Risk Category Assessment	patient preference
Risk Category / Assessment	Risk Category Assessment	provider preference
Risk Category / Assessment	Risk Category Assessment	start datetime
Risk Category / Assessment	Risk Category Assessment	stop datetime
Risk Category / Assessment	Risk Category Assessment	result
Substance	Substance, Administered	dose

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Category	Datatype	Attribute
Substance	Substance, Administered	date
Substance	Substance, Administered	time
Substance	Substance, Administered	frequency
Substance	Substance, Administered	negation rationale
Substance	Substance, Administered	number
Substance	Substance, Administered	patient preference
Substance	Substance, Administered	provider preference
Substance	Substance, Administered	refills
Substance	Substance, Administered	route
Substance	Substance, Administered	start datetime
Substance	Substance, Administered	stop datetime
Substance	Substance, Adverse Event	dose
Substance	Substance, Adverse Event	frequency
Substance	Substance, Adverse Event	negation rationale
Substance	Substance, Adverse Event	number
Substance	Substance, Adverse Event	patient preference
Substance	Substance, Adverse Event	provider preference
Substance	Substance, Adverse Event	reaction
Substance	Substance, Adverse Event	refills
Substance	Substance, Adverse Event	route
Substance	Substance, Adverse Event	start datetime
Substance	Substance, Adverse Event	stop datetime
Substance	Substance, Allergy	dose
Substance	Substance, Allergy	frequency
Substance	Substance, Allergy	negation rationale
Substance	Substance, Allergy	number
Substance	Substance, Allergy	patient preference
Substance	Substance, Allergy	provider preference
Substance	Substance, Allergy	reaction

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Category	Datatype	Attribute
Substance	Substance, Allergy	refills
Substance	Substance, Allergy	route
Substance	Substance, Allergy	start datetime
Substance	Substance, Allergy	stop datetime
Substance	Substance, Intolerance	dose
Substance	Substance, Intolerance	frequency
Substance	Substance, Intolerance	negation rationale
Substance	Substance, Intolerance	number
Substance	Substance, Intolerance	patient preference
Substance	Substance, Intolerance	provider preference
Substance	Substance, Intolerance	reaction
Substance	Substance, Intolerance	refills
Substance	Substance, Intolerance	route
Substance	Substance, Intolerance	start datetime
Substance	Substance, Intolerance	stop datetime
Substance	Substance, Order	dose
Substance	Substance, Order	frequency
Substance	Substance, Order	method
Substance	Substance, Order	negation rationale
Substance	Substance, Order	number
Substance	Substance, Order	patient preference
Substance	Substance, Order	provider preference
Substance	Substance, Order	reason
Substance	Substance, Order	refills
Substance	Substance, Order	route
Substance	Substance, Order	start datetime
Substance	Substance, Order	stop datetime
Substance	Substance, Recommended	dose
Substance	Substance, Recommended	frequency

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Category	Datatype	Attribute
Substance	Substance, Recommended	method
Substance	Substance, Recommended	negation rationale
Substance	Substance, Recommended	number
Substance	Substance, Recommended	patient preference
Substance	Substance, Recommended	provider preference
Substance	Substance, Recommended	reason
Substance	Substance, Recommended	refills
Substance	Substance, Recommended	route
Substance	Substance, Recommended	start datetime
Substance	Substance, Recommended	stop datetime
Symptom	Symptom, Active	environment
Symptom	Symptom, Active	negation rationale
Symptom	Symptom, Active	ordinality
Symptom	Symptom, Active	patient preference
Symptom	Symptom, Active	provider preference
Symptom	Symptom, Active	severity
Symptom	Symptom, Active	start datetime
Symptom	Symptom, Active	status
Symptom	Symptom, Active	stop datetime
Symptom	Symptom, Assessed	negation rationale
Symptom	Symptom, Assessed	ordinality
Symptom	Symptom, Assessed	patient preference
Symptom	Symptom, Assessed	provider preference
Symptom	Symptom, Assessed	severity
Symptom	Symptom, Assessed	start datetime
Symptom	Symptom, Assessed	status
Symptom	Symptom, Assessed	stop datetime
Symptom	Symptom, Inactive	negation rationale
Symptom	Symptom, Inactive	ordinality

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Category	Datatype	Attribute
Symptom	Symptom, Inactive	patient preference
Symptom	Symptom, Inactive	provider preference
Symptom	Symptom, Inactive	severity
Symptom	Symptom, Inactive	start datetime
Symptom	Symptom, Inactive	status
Symptom	Symptom, Inactive	stop datetime
Symptom	Symptom, Resolved	negation rationale
Symptom	Symptom, Resolved	ordinality
Symptom	Symptom, Resolved	patient preference
Symptom	Symptom, Resolved	provider preference
Symptom	Symptom, Resolved	severity
Symptom	Symptom, Resolved	start datetime
Symptom	Symptom, Resolved	status
Symptom	Symptom, Resolved	stop datetime
System Characteristic	System Characteristic	negation rationale
System Characteristic	System Characteristic	start datetime
System Characteristic	System Characteristic	stop datetime
Transfer of Care	Transfer From	negation rationale
Transfer of Care	Transfer From	patient preference
Transfer of Care	Transfer From	provider preference
Transfer of Care	Transfer From	start datetime
Transfer of Care	Transfer From	stop datetime
Transfer of Care	Transfer To	negation rationale
Transfer of Care	Transfer To	patient preference
Transfer of Care	Transfer To	provider preference
Transfer of Care	Transfer To	start datetime
Transfer of Care	Transfer To	stop datetime

Additional Resources:

For more information about using the QDM in the MAT, please reference the MAT User Guide found [here](#).

Questions and Comments regarding the QDM can be answered via the NQF Knowledge Base found [here](#).

Any other inquiries can be addressed to [qdm@qualityforum.org](mailto:qdm@qualityforum.org).