

Datatype/Attribute Clarification & Removal

[1 of 8] (QDM-46)

Clarify or Remove TBD Attributes from QDM

- **Needed by authors of HL7 QDM-based HQMF Implementation Guide**

- **Criteria for Consideration**
 - Is there a clearly understood definition or meaning?
 - Is the attribute used in MU-2 measures or planned for MU-3 measures?
 - Is the data likely to be available in EHRs (today or in the future)?

Datatype/Attribute Clarification & Removal

[2 of 8] (QDM-46)

- **Clarify or define the following datatypes**
 - Patient Characteristic
 - Patient Characteristic Birth Date
 - Patient Characteristic Expired
 - Patient Characteristic Race
 - Provider Characteristic

- **Remove the “System Characteristic” datatype**
 - Definition is too broad / ambiguous to map to HQMF
 - Not used or planned for MU-2 or MU-3 measures

Datatype/Attribute Clarification & Removal

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- Clarify or define the following attributes

Attribute	Datatype
dose	Medication, Dispensed
route	Medication, Dispensed
removal datetime	Device, Applied

- Rename the following attribute to improve clarity

Attribute	New Attribute	Datatype
reason	cause	Patient Characteristic Expired

- Notes:
- 50% of UG voted to *remove* dose and route from Medication, Dispensed (but not enough for *consensus*)
 - Dose and route may need to map to an Order in HQMF (TBD)

Datatype/Attribute Clarification & Removal

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- **Remove the following attributes since they are redundant**
 - The status is defined by the datatype itself

Attribute	Datatype	
status	<ul style="list-style-type: none"> • Diagnosis, Active • Diagnosis, Inactive • Diagnosis, Resolved 	<ul style="list-style-type: none"> • Symptom, Active • Symptom, Assessed • Symptom, Inactive • Symptom, Resolved

- **Remove the following attributes since they are redundant**
 - The date and time is already reflected in “start datetime”

Attribute	Datatype	
date	<ul style="list-style-type: none"> • Medication, Administered 	<ul style="list-style-type: none"> • Substance, Administered
time	<ul style="list-style-type: none"> • Medication, Administered 	<ul style="list-style-type: none"> • Substance, Administered

Datatype/Attribute Clarification & Removal

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- Remove the following attributes since they are too ambiguous or have no clear meaning

Attribute	Datatype
environment	<ul style="list-style-type: none"> Symptom, Active
number	<ul style="list-style-type: none"> Medication, Active Medication, Administered Medication, Adverse Effects Medication, Allergy Medication, Discharge Medication, Dispensed Medication, Intolerance Medication, Order Substance, Administered Substance, Adverse Event Substance, Allergy Substance, Intolerance Substance, Order Substance, Recommended
reason	<ul style="list-style-type: none"> Patient Characteristic Sex

Datatype/Attribute Clarification & Removal

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- Remove the following attributes since they do not make sense in the context of their datatype

Attribute	Datatype	
dose	<ul style="list-style-type: none"> Medication, Adverse Effects Medication, Allergy Medication, Intolerance 	<ul style="list-style-type: none"> Substance, Adverse Event Substance, Allergy Substance, Intolerance
frequency	<ul style="list-style-type: none"> Medication, Adverse Effects Medication, Allergy Medication, Intolerance 	<ul style="list-style-type: none"> Substance, Adverse Event Substance, Allergy Substance, Intolerance
refills	<ul style="list-style-type: none"> Medication, Active Medication, Administered Medication, Adverse Effects Medication, Allergy Medication, Intolerance 	<ul style="list-style-type: none"> Substance, Administered Substance, Adverse Event Substance, Allergy Substance, Intolerance
route	<ul style="list-style-type: none"> Medication, Adverse Effects Medication, Allergy Medication, Intolerance 	<ul style="list-style-type: none"> Substance, Adverse Event Substance, Allergy Substance, Intolerance

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- **Remove attributes that are inconsistent with definition of Intervention**
 - “Intervention represents a course of action intended to achieve a result in the care of persons with health problems *that does not involve direct physical contact with a patient*. Examples include patient education and therapeutic communication.”
 - Method (if applicable) is better expressed in the intervention’s value set

Attribute	Datatype
anatomical location approach	<ul style="list-style-type: none"> • Intervention, Order • Intervention, Performed • Intervention, Recommended
anatomical location site	<ul style="list-style-type: none"> • Intervention, Order • Intervention, Performed • Intervention, Recommended
method	<ul style="list-style-type: none"> • Intervention, Order • Intervention, Performed • Intervention, Recommended

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- Gather feedback from MU-3 authors for the following attributes

Attribute	Datatype
patient preference	<ul style="list-style-type: none">• <i>many</i>
provider preference	<ul style="list-style-type: none">• <i>many</i>
related to	<ul style="list-style-type: none">• Care Goal

Note: Retain these attributes for now