QDM Categories with ONC Health Information Technology Standards Committee (HITSC) Recommended Vocabularies[1]

General Clinical Concept	QDM Datatypes	QDM Attribute	Clinical Vocabulary Standards	Native Capture Terminologies
Adverse Effect/Allergy/Intolerance	"Adverse Event"	*Code* (the causative agent of the adverse event)	Medication: RxNorm ingredient type or "term type" (TTY) Vaccine: CVX SNOMED CT Substance for drug class only Other causative agents: SNOMED CT (product, substance if not a product)	N/A
Adverse Effect/Allergy/Intolerance	"Adverse Event"	*Type* (the reaction)	SNOMED CT (disorders, findings)	N/A
Adverse Effect/Allergy/Intolerance	"Allergy/Intolerance"	*Code* (the causative agent of the allergy/ intolerance)	Medication: RxNorm ingredient type (TTY) Vaccine: CVX SNOMED CT Substance for **drug class only** Other causative agents: SNOMED CT (substance)	N/A
Adverse Effect/Allergy/Intolerance	"Intervention, Adverse Event" "Intervention, Intolerance"	*Type* (the reaction)	SNOMED CT (disorders, findings)	N/A
Care Experience	"Patient Care Experience"	*Code*	SNOMED CT (or LOINC if part of an Evaluation Tool)	N/A
Care Experience	"Provider Care Experience"	*Code*	SNOMED CT (or LOINC if part of an Evaluation Tool)	N/A
Substance	"Substance, Administered" "Substance, Order" "Substance, Recommended"	*Code*	SNOMED CT (substance if not a product)	N/A
Substance	"Substance, Administered" "Substance, Order" "Substance, Recommended"	*Negation rationale*	SNOMED CT (disorders, findings)	N/A

[1] HITSC made these recommendations in 2012 and 2015 using program information and language current at the time and are consistent with the Interoperability Standards Advisory⬈ . With the adoption of the Quality Payment Program and other changes to quality reporting programs, updates to these recommendations will continue to evolve.

General Clinical Concept	QDM Datatypes	QDM Attribute	Clinical Vocabulary Standards	Native Capture Terminologies
Care Goal	"Care Goal"	*Code*	SNOMED CT (disorders, findings)	N/A
Condition/Diagnosis/Problem	"Diagnosis"	*Code*	SNOMED CT (disorders, findings)	ICD-9-CM, ICD-10-CM
Condition/Diagnosis/Problem	"Diagnosis"	*Anatomical location site*	SNOMED CT (body structure)	N/A
Condition/Diagnosis/Problem	"Diagnosis"	*Severity*	SNOMED CT (qualifier)	N/A
Symptom	"Symptom"	*Code*	SNOMED CT (disorders, findings)	N/A
Symptom	"Symptom"	*Severity*	SNOMED CT (qualifier)	N/A
Encounter (any patient-provider interaction [e.g., telephone call, email] regardless of reimbursement status, status—includes traditional face-to-face encounters)	"Encounter, Order" "Encounter, Performed" "Encounter, Recommended"	*Code*	SNOMED CT (procedure)	CPT, Healthcare Common Procedural Coding System (HCPCS), ICD-9-CM Procedures, ICD-10-CM, ICD-10-PCS
Encounter (any patient-provider interaction [e.g., telephone call, email] regardless of reimbursement status, status—includes traditional face-to-face encounters)	"Encounter, Order" "Encounter, Performed" "Encounter, Recommended"	*Negation rationale*	SNOMED CT (disorders, findings)	N/A
Encounter (any patient-provider interaction [e.g., telephone call, email] regardless of reimbursement status, status—includes traditional face-to-face encounters)	"Encounter, Recommended"	*Reason*	SNOMED CT (disorders, findings)	N/A
Encounter (any patient-provider interaction [e.g., telephone call, email] regardless of reimbursement status, status—includes traditional face-to-face encounters)	"Encounter, Performed"	*Diagnoses*	SNOMED CT (disorders, findings)	ICD-9-CM, ICD-10-CM

General Clinical Concept	QDM Datatypes	QDM Attribute	Clinical Vocabulary Standards	Native Capture Terminologies
Encounter (any patient-provider interaction [e.g., telephone call, email] regardless of reimbursement status, status—includes traditional face-to-face encounters)	"Encounter, Performed"	*Facility location*	Health Level Seven International® (HL7) HealthcareServiceLocation codes (HSLOC)	N/A
Encounter (any patient-provider interaction [e.g., telephone call, email] regardless of reimbursement status, status—includes traditional face-to-face encounters)	"Encounter, Performed"	*Admission source*	SNOMED CT (environment)	N/A
Encounter (any patient-provider interaction [e.g., telephone call, email] regardless of reimbursement status, status—includes traditional face-to-face encounters)	"Encounter, Performed"	*Discharge disposition*	SNOMED CT (environment)	N/A
Family History	"Family History"	*Code*	SNOMED CT (person)	N/A
Family History	"Family History"	*Relationships*	SNOMED CT (person, situation)	N/A
Device	"Device, Applied" "Device, Order" "Device, Recommended"	*Code*	SNOMED CT (physical object)	N/A
Device	"Device, Applied" "Device, Order" "Device, Recommended"	*Anatomical approach site*	SNOMED CT (body structure)	N/A
Device	"Device, Applied" "Device, Order" "Device, Recommended"	*Anatomical location site*	SNOMED CT (body structure)	N/A
Device	"Device, Applied" "Device, Order" "Device, Recommended"	*Reason*	SNOMED CT (disorders, findings)	N/A
Device	"Device, Applied" "Device, Order" "Device, Recommended"	*Negation rationale*	SNOMED CT (disorders, findings)	N/A

General Clinical Concept	QDM Datatypes	QDM Attribute	Clinical Vocabulary Standards	Native Capture Terminologies
Physical Exam (definition of the components of the physical exam performed)	"Physical Exam, Order" "Physical Exam, Performed" "Physical Exam, Recommended"	N/A	LOINC	N/A
Physical Exam (expression of the answers/responses for the physical exam component)	"Physical Exam, Performed"	Result	SNOMED CT (disorders, findings) or LOINC Normative Responses	N/A
Laboratory Test (names)	"Laboratory Test, Order" "Laboratory Test, Performed" "Laboratory Test, Recommended"	Code	LOINC	N/A
Laboratory Test (names)	"Laboratory Test, Order" "Laboratory Test, Performed" "Laboratory Test, Recommended"	Reason	SNOMED CT (disorders, findings)	N/A
Laboratory Test (names)	"Laboratory Test, Order" "Laboratory Test, Performed" "Laboratory Test, Recommended"	Negation rationale	SNOMED CT (disorders, findings)	N/A
Laboratory Test (results)	"Laboratory Test, Performed"	Result	SNOMED CT (disorders, findings) or LOINC Normative Responses	N/A
Diagnostic Study Test Names	"Diagnostic Study, Order" "Diagnostic Study, Performed" "Diagnostic Study, Recommended"	Code	LOINC	HCPCS
Diagnostic Study Test Names	"Diagnostic Study, Order" "Diagnostic Study, Performed" "Diagnostic Study, Recommended"	Reason	SNOMED CT (disorders, findings)	N/A
Diagnostic Study Test Names	"Diagnostic Study, Order" "Diagnostic Study, Performed" "Diagnostic Study, Recommended"	Negation rationale	SNOMED CT (disorders, findings)	N/A
Diagnostic Study Test Results	"Diagnostic Study, Performed"	Result	SNOMED CT (disorders, findings) or LOINC Normative Responses	N/A
Units of Measure for Results	"Laboratory test, Performed" "Diagnostic Study, Performed"	Result (units)	UCUM – Unified Code for Units of Measure	N/A
Intervention	"Intervention, Order" "Intervention, Performed" "Intervention, Recommended"	Code	SNOMED CT (disorders, findings, procedures, regime/therapy)	CPT, HCPCS, ICD-9-CM Procedures, ICD-10-PCS

General Clinical Concept	QDM Datatypes	QDM Attribute	Clinical Vocabulary Standards	Native Capture Terminologies
Intervention	"Intervention, Order" "Intervention, Performed" "Intervention, Recommended"	*Reason*	SNOMED CT (disorders, findings)	N/A
Intervention	"Intervention, Order" "Intervention, Performed" "Intervention, Recommended"	*Negation rationale*	SNOMED CT (disorders, findings)	N/A
Intervention	"Intervention, Performed"	*Result*	SNOMED CT (disorders, findings)	N/A
Procedure	"Procedure, Order" "Procedure, Performed" "Procedure, Recommended"	*Code*	SNOMED CT (procedures, regime/therapy)	CPT, HCPCS, ICD-9-CM Procedures, ICD-10-PCS
Procedure	"Procedure, Order" "Procedure, Performed" "Procedure, Recommended"	*Reason*	SNOMED CT (disorders, findings)	N/A
Procedure	"Procedure, Order" "Procedure, Performed" "Procedure, Recommended"	*Negation rationale*	SNOMED CT (disorders, findings)	N/A
Procedure	"Procedure, Performed"	*Result*	SNOMED CT (disorders, findings)	N/A
Assessment Instrument Questions (e.g., questions for assessing patient status used as part of clinical workflow, clinical outcome evaluation, social functional and emotional status, patient preference, experience, characteristics)	"Assessment, Order" "Assessment, Performed" "Assessment, Recommended"	*Code*	LOINC	N/A
Assessment Instrument Questions (e.g., questions for assessing patient status used as part of clinical workflow, clinical outcome evaluation, social functional and emotional status, patient preference, experience, characteristics)	"Assessment, Order" "Assessment, Performed" "Assessment, Recommended"	*Reason*	SNOMED CT (disorders, findings)	N/A

General Clinical Concept	QDM Datatypes	QDM Attribute	Clinical Vocabulary Standards	Native Capture Terminologies
Assessment Instrument Questions (e.g., questions for assessing patient status used as part of clinical workflow, clinical outcome evaluation, social functional and emotional status, patient preference, experience, characteristics)	"Assessment, Order" "Assessment, Performed" "Assessment, Recommended"	*Negation rationale*	SNOMED CT (disorders, findings)	N/A
Assessment Instrument Answers/Responses (e.g., responses to questions for assessing patient status used as part of clinical workflow, clinical outcome evaluation, social functional and emotional status, patient preference, experience, characteristics)	"Assessment, Performed"	*Result*	SNOMED CT (disorders, findings) or LOINC Normative Responses	N/A
Categories of Function	"Assessment, Order" "Assessment, Performed" "Assessment, Recommended"	*Code*	ICF – International Classification of Functioning, Disability, and Health[2]	N/A
Communication	"Communication, Performed"	*Code*	SNOMED CT (disorders, findings)	CPT, HCPCS
Communication	"Communication, Performed"	*Category*	HL7 Value Set CommunicationCategory ↗	N/A
Communication	"Communication, Performed"	*Medium*	HL7 v3 Value Set ParticipationMode ↗	N/A
Communication	"Communication, Performed"	*Negation rationale*	SNOMED CT (disorders, findings)	N/A
Medications (administered, excluding vaccines)	"Medication, Active" "Medication, Administered" "Medication, Discharge" "Medication, Dispensed" "Medication, Order"	*Code*	RxNorm	N/A

---

[2] The HITSC Task Force recommended use of ICF; however, there is a fee associated with ICF. The Interoperability Standards Advisory ↗ recommends LOINC for observation and SNOMET CT for observation values.

General Clinical Concept	QDM Datatypes	QDM Attribute	Clinical Vocabulary Standards	Native Capture Terminologies
Medications (administered, excluding vaccines)	"Medication, Active" "Medication, Administered" "Medication, Discharge" "Medication, Dispensed" "Medication, Order"	*Reason*	SNOMED CT (disorders, findings)	N/A
Vaccines	"Immunization, Administered" "Immunization, Order"	*Code*	CVX—Vaccines	N/A
Vaccines	"Immunization, Administered" "Immunization, Order"	*Code* (for procedure for administering a vaccine)	SNOMED CT (procedures)	CPT
Vaccines	"Immunization, Administered" "Immunization, Order"	*Reason*	SNOMED CT (disorders, findings)	N/A
Vaccines	"Immunization, Administered" "Immunization, Order"	*Negation rationale*	SNOMED CT (disorders, findings)	N/A
Patient Characteristic, Date of Birth	"Patient Characteristic Birthdate"	*Code*	Fixed to LOINC code 21112-8 (birth date); therefore, cannot be further qualified with a value set	N/A
Patient Characteristic, Expired	"Patient Characteristic Expired"	*Code*	Fixed to SNOMED CT code 419099009 (dead); therefore, cannot be further qualified with a value set	
Patient Characteristic, Sex	"Patient Characteristic Sex"	*Code*	ONC Administrative Sex – VSAC OID 2.16.840.1.113762.1.4.1	
Patient Characteristic, Ethnicity	"Patient Characteristic Ethnicity"	*Code*	CDC National Center for Health Statistics – VSAC OID 2.16.840.1.114222.4.11.837 Detailed Ethnicity: HL7 Terminology – VSAC OID 2.16.840.1.114222.4.11.877	N/A
Patient Characteristic, Race	"Patient Characteristic Race"	*Code*	CDC National Center for Health Statistics – VSAC OID 2.16.840.1.114222.4.11.836 Race Value Set: HL7 Terminology – VSAC OID 2.16.840.1.113883.1.11.14914	
Patient Characteristic, Preferred Language	"Individual Characteristic"	*Code*	RFC 5646	N/A
Patient Characteristic, Payer	"Patient Characteristic Payer"	*Code*	NAHDO Source of Payer Typology VSAC OID 2.16.840.1.114222.4.11.3591	N/A
Patient Characteristic	"Patient Characteristic, Clinical Trial Participant"	*Code*	SNOMED CT (findings)	N/A

General Clinical Concept	QDM Datatypes	QDM Attribute	Clinical Vocabulary Standards	Native Capture Terminologies
Patient Characteristic	"Patient Characteristic, Clinical Trial Participant"	*Reason*	SNOMED CT (disorders, findings)	N/A
Patient Characteristic, Unspecified	"Patient Characteristic (unspecified)"	*Code*	SNOMED CT (disorders, findings)	N/A
Practitioner	QDM Entity Practitioner	*Specialty*	National Uniform Claim Committee (NUCC) Healthcare Provider Taxonomy	N/A