

Purpose**Standard(s)****Section I**

Example 1	Technical Standard #1
Example 2	Technical Standard #2
Allergy reactions	SNOMED-CT
Care team member (health care provider)	National Provider Identifier (NPI)
Ethnicity	<i>[See Question #5-6]</i>
	[R] OMB standards for Maintaining, Collecting, and Presenting Federal Data on Race and Ethnicity, Statistical Policy Directive No. 15, Oct 30, 1997
Encounter diagnosis	[R] SNOMED-CT
	<i>[See Question #5-7]</i>
	[R] ICD-10-CM
Family health history	[R] SNOMED-CT
Food allergies	<i>[See Question #5-8]</i>
Functioning and disability	<i>[See Question #5-9]</i>

Gender identity	SNOMED-CT
Immunizations - Historical	<i>[See Question #5-10]</i>
	[R] HL7 Standard Code Set CVX—Clinical Vaccines Administered
	MVX (Manufacturing Vaccine Formulation)
Immunizations - Administered	<i>[See Question #5-11]</i>
	National Drug Codes (NDC)
Industry and occupation	<i>[See Question #5-12]</i>
Lab tests	[R] LOINC
Medications	[R] RxNorm
Medication allergies	[R] RxNorm
Numerical references and values	The Unified Code of Units of Measure
Patient “problems” (i.e., conditions)	[R] SNOMED-CT
Preferred language	ISO 639-1

	[R] ISO 639-2
	ISO 639-3
	RFC 5646
Procedures (dental)	[R] Code on Dental Procedures and Nomenclature (CDT)
Procedures (medical)	[R] SNOMED-CT
	[R] the combination of CPT-4/HCPCS
	[R] ICD-10-PCS
Race	[R] OMB standards for Maintaining, Collecting, and Presenting Federal Data on Race and Ethnicity, Statistical Policy Directive No. 15, Oct 30, 1997.
Radiology (interventions and procedures)	RadLex
Sex	HL7 Version 3 Value Set for Administrative Gender
Sexual orientation	SNOMED-CT
Smoking status	[R] SNOMED-CT
Unique device identification	[R] Unique device identifier as defined by the Food and Drug Administration at 21 CFR 830.3
Vital signs	LOINC

Implementation Specification(s)

Respondent

Currently used in your Application (Yes or No)

Implementation Specification(s)	Respondent	Currently used in your Application (Yes or No)
Implementation Standard #1	Yes	Yes
Implementation Standard #2	No	no
	CDS, SCM, gec	Yes
	CDS, TW, SCM, gec	Yes
	CDS, TW, SCM, gec	Yes
	CDS, SCM, gec	Yes
	CDS, SCM, gec	Yes
	CDS, SCM, gec	Yes
	CDS, SCM, TW, gec	
	CDS, gec	

	CDS, SCM, gec	No
	CDS, SCM, TW, gec	Yes
	CDS, SCM, gec	Yes
	CDS, TW, gec, dbMotion	
	CDS, SCM, TW, gec	Yes
	CDS	
	CDS, SCM, gec	Yes
	CDS, SCM, TW, gec	Yes
	CDS, SCM, TW, gec	Yes
	CDS, SCM, gec	Yes
	CDS, SCM, TW, gec	Yes
	CDS, SCM, gec	No

	CDS, SCM, gec, dbMotion	Yes
	CDS, SCM, gec, dbMotion	Yes
	CDS, SCM, gec	No
	CDS, SCM, gec, dbMotion	No
	CDS, SCM, gec	Yes
	CDS, SCM, gec	Yes
	CDS, SCM, gec	Yes
	CDS, SCM, TW, gec	Yes
	CDS, SCM, gec, dbMotion	No
	CDS, SCM, gec	Yes
	CDS, SCM, gec	No
		Yes
		No
		Yes

Maturity

Adoptability

Mature	Well adopted	
Immature	No Adoption	
Mature	Limited adoption	
Mature	Limited adoption	
Mature	Limited adoption	
Mature	Limited adoption	
Mature	Limited adoption	
Mature	Limited adoption	

Mature	No Adoption	
Mature	Well adopted	
Immature	Limited adoption	
Mature	Limited adoption	
Mature	Well adopted	
Mature	Well adopted	
Mature	Limited adoption	
Mature	Limited adoption	
Mature	Well adopted	
Mature	Limited adoption	

Mature	Well adopted	
Mature	Limited adoption	
Mature	Limited adoption	
Mature	Well adopted	
Mature	Well adopted	
Immature	Limited adoption	
Mature	Limited adoption	
Mature	Well adopted	
Mature	Limited adoption	
Immature	Limited adoption	
Immature	Limited adoption	
Mature	Well adopted	

Comments

5-13.

[Section I] If a preferred or specific value set exists for a specific purpose and the standard adopted for that purpose, should it be listed in the “implementation specification” column or should a new column be added for value sets?

Add a new column for value sets.



the Reactions are coded separately from the Allergic Intolerance or Observation. Coded Reactions are seldom seen.

Question#5-6 Should more detailed value sets for race and ethnicity be identified as a standard or implementation specification? No, not at this time.

Question#5-8: yes, include Food Allergies, and someone needs to help provide some relevant and useful (small) subset of UNII for use here. Clients would like to have the ability to code food and other non-medicaiton allergies Clients do have the ability to code using UNII, however UNII is restrictive and not consistent what a patient may state as an allergy.
Qquestion ##5-9: yes, include this category. ICF has been adopted by the WHO, if it is being used widely it shouldbe considered as the standard.

very surprised to see SNOMED-CT listed here; expected to see:
HL7 Administrative Gender (2.16.840.1.113883.5.1)

'- Gender is currently not captured. Where it is captured with a label of 'Gender' the content is actually 'Sex' options.

- Very clear definitions will be required if Sex, Gender and Sexual Orientation all need to be captured. There will be a tremendous amount of confusion in operationalizing capture if definitions are not clear. In addition, most EHR clients interface this information in from third party registration applications that are not likely to be ready to capture this in addition to Sex. The third party registration applications do not have to be certified, so this could lead to challenges in easily capturing the data.

Question#5-10: remove MVX from this list

Question#5-11: possibly useful as an additional concept, but want to maintain CVX as the primary code system, with the possibility to include NDC as a secondary code system]

ISCO - international standard classification of occupations

even though well adopted, many clients continue to report missing LOINC codes for some tests they perform

Many reports of allergic reaction to classes of drugs, e.g., penicillin, are reported today with too much specificity and this is an issue.

There is an inconsistency in requirements as SNOMED codes are being requested to use for CQM's.

there is wide variability in attempts to implement the standard, with many case-specific errors.

This version constrained by ISO-639-1 options with 3 alpha codes was widely adopted for MU2. Challenges encountered by EH clients in states with different standard for capture of language. Recommend not changing this standard.

dbMotion uses SNOWMED-CT

dbMotion uses CPT4

please provide clarity on this row vs row#16 Gender Identification and row#39 Sexual Orientation

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continued change, as between C-CDA R1.1 and C-CDA R2 speak to the immaturity of the value set

the value set should be versioned and updated