

1	Status	Letter Ballot
2	Date of Last Update	2024/03/21
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6	Submission Date	2023/03/14

7	Correction Number CP-2356	
8	Log Summary: Add Ethnic Group Code Sequence	
9	Name of Standard	
10	PS3.3, PS3.6, PS3.16	
11	Rationale for Correction:	
12	The ethnic group or race of a patient is only described as a text string rather than a coded concept, when there are well-defined coded concepts available, as used in SR. Add a code sequence attribute.	
14	Allow a multiplicity of 1-n for mixed races, since some of the other informatics standards like (HL7 V2 PID-10) allow for more than one value (with the proviso that "the second triplet ... is reserved for governmentally assigned codes"), though others do not (like HL7 FHIR US Extension).	
17	Note that in DICOM the concept "ethnic group" is used in a general sense, and is equivalent to the social construct of a group, SCT:415229000 Racial Group, and not the US-specific US OMB Directive 15 (Hispanic or not) manner, though it is not forbidden to also convey the latter concept as a pre-coordinated value.	
20	Also change context group reference in SR subject context from Defined to Baseline, to allow other codes to be used as necessary.	
21	This CP does not attempt to extend the current CID 6099 Racial Group that is used as a baseline value set, since that is a more complicated exercise. For reference, see also the HL7 V2 Table 0005, and the CDC Race & Ethnicity Code System.	
23	<i>[Ed.Note: Also change C.13.2 references that should be to C.2.3 Patient Demographic Module rather than C.2.2 Patient Identification Module where appropriate.]</i>	
25	Correction Wording:	

Amend DICOM PS3.3 as follows (changes to existing text are bold and underlined for additions and ~~struckthrough~~ for removals):

## C.2.3 Patient Demographic Module

Table C.2-3. Patient Demographic Module Attributes

Attribute Name	Tag	Attribute Description
...		
Ethnic Group	(0010,2160)	Ethnic group or race of Patient.
<b><u>Ethnic Group Code Sequence</u></b>	<b><u>(0010.eee1)</u></b>	<b><u>Ethnic group or race of Patient.</u></b> <b><u>One or more Items are permitted in this Sequence.</u></b>
<b><u>&gt;Include Table 8.8-1 "Code Sequence Macro Attributes"</u></b>		<b><u>BCID 6099 "Racial Group".</u></b>
...		

### C.7.1.1 Patient Module

Table C.7-1. Patient Module Attributes

Attribute Name	Tag	Type	Attribute Description
...			
Ethnic Group	(0010,2160)	3	Ethnic group or race of the Patient.
<b><u>Ethnic Group Code Sequence</u></b>	<b><u>(0010.eee1)</u></b>	<b><u>3</u></b>	<b><u>Ethnic group or race of Patient.</u></b> <b><u>One or more Items are permitted in this Sequence.</u></b>
<b><u>&gt;Include Table 8.8-1 "Code Sequence Macro Attributes"</u></b>			<b><u>BCID 6099 "Racial Group".</u></b>
...			

## C.13.2 Basic Film Session Relationship Module

Table C.13-2. Basic Film Session Relationship Module Attributes

Attribute Name	Tag	Attribute Description
...		
Proposed Study Sequence	(2130,00A0)	Attributes that may be used to identify and describe the Patient, Study and Series that are the subject of this Film Session.  Only a single Item is permitted in this Sequence.
...		
>Ethnic Group	(0010,2160)	See Section C.2.3 Patient Demographic Module for description.
<b><u>Ethnic Group Code Sequence</u></b>	<b><u>(0010.eee1)</u></b>	<b><u>See Section C.2.3 Patient Demographic Module for description.</u></b> <b><u>One or more Items are permitted in this Sequence.</u></b>
<b><u>&gt;Include Table 8.8-1 "Code Sequence Macro Attributes"</u></b>		<b><u>BCID 6099 "Racial Group".</u></b>
...		

Add new data element to DICOM PS3.6 as follows:

## 6 Registry of DICOM Data Elements

Table 6-1. Registry of DICOM Data Elements

Tag	Name	Keyword	VR	VM	
(0010,2160)	Ethnic Group	EthnicGroup	SH	1	
<b><u>(0010,eee1)</u></b>	<b><u>Ethnic Group Code Sequence</u></b>	<b><u>EthnicGroupCodeSequence</u></b>	<b><u>SQ</u></b>	<b><u>1</u></b>	

Amend DICOM PS3.16 as follows (changes to existing text are bold and underlined for additions and ~~struckthrough~~ for removals):

### TID 1007 Subject Context, Patient

Identifies (and optionally describes) a patient who is the subject.

Type: Extensible  
 Order: Significant  
 Root: No

Table TID 1007. Subject Context, Patient

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
...								
9			CODE	EV (415229000, SCT, "Racial group")	1	U		Defaults to <b><u>Value of Ethnic Group Code Sequence (0010,eee1) of the Patient Module, or if absent,</u></b> the coded equivalent of the text Value of Ethnic Group (0010,2160) of the Patient Module, which is defined as "race or ethnic group"  <del>BE</del> CID 6099 "Racial Group"

For reference unchanged, PS3.16:

### CID 6099 Racial Group

#### Note

This Context Group is intended to be a set of values that is the union of concepts used in various jurisdictions. It does not distinguish race from ethnic group.

Resources: HTML | FHIR JSON | FHIR XML | IHE SVS XML  
 Keyword: RacialGroup  
 FHIR Keyword: dicom-cid-6099-RacialGroup  
 Type: Extensible  
 Version: 20201115  
 UID: 1.2.840.10008.6.1.1278

Table CID 6099. Racial Group

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	413464008	African race	S-0004E	C0027567
SCT	413582008	Asian race	S-00051	C0078988
SCT	413773004	Caucasian race	S-0003D	C0007457

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<b>Coding Scheme Designator</b>	<b>Code Value</b>	<b>Code Meaning</b>	<b>SNOMED-RT ID</b>	<b>UMLS Concept Unique ID</b>
SCT	413490006	American Indian or Alaska native	S-0004B	C1515945
NCIt	C41219	Native Hawaiian or other Pacific Islander		C1513907
SCT	413581001	Asian or Pacific Islander race	S-0004C	C1531604
SCT	413600007	Australian aborigine race	S-00052	C0337948
SCT	414481008	Indian race	S-0003E	C1524069
SCT	414752008	Mixed racial group	S-00043	C0682081