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8	Correction Number CP-2455	
9	Log Summary: Ethnic Group SH VR too short	
10	Name of Standard	
11	PS3.3, PS3.6	
12	Rationale for Correction:	
13	The current 16-character SH data type for Ethnic Group (0010,2160) does not always provide enough space for the descriptions and therefore results in inaccurate data when we refer to the official tables of SNOMED CT or UMLS and CID 6099 for coded racial groups (Code Meaning).	
14	When the data for an ethnic group for a patient is transferred from systems with an HL7 interface, the original data is truncated when inserted into the DICOM environment. The metadata will no longer have the original content the next time it is transferred to a different destination via DICOM only.	
15		
16	CP 2356 introduced a solution to this problem, but only for handling coded ethnic groups. This solution also offers the option of mapping 1-n relationships.	
17		
18		
19	Since the VR of an existing element cannot be change, it is proposed to add a new optional data element with a longer VR of UC and which may be multi-valued, to provide the full description of ethnic groups based on the official tables in different languages.	
20		
21		
22		
23	<i>[Ed.Note: Should we retire the existing, too short and single valued, data element (0010,2160)? It is optional, so this would be relatively harmless.]</i>	
24		
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.
Ethnic Group Code Sequence	(0010,2161)	Ethnic group or race of Patient. One or more Items are permitted in this Sequence.
>Include ???		BCID 6099 "Racial Group".
<u>Ethnic Groups</u>	<u>(0010,216n)</u>	<u>Ethnic group(s) or race(s) of Patient. One or more values may be present.</u>
...		

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.
Ethnic Group Code Sequence	(0010,2161)	3	Ethnic group or race of Patient. One or more Items are permitted in this Sequence.
>Include ???			BCID 6099 "Racial Group".
<u>Ethnic Groups</u>	<u>(0010,216n)</u>	<u>3</u>	<u>Ethnic group(s) or race(s) of Patient. One or more values may be present.</u>
...			

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.
>Ethnic Group Code Sequence	(0010,2161)	See Section C.2.3 Patient Demographic Module for description. One or more Items are permitted in this Sequence.
>>Include ???		BCID 6099 "Racial Group".
<u>Ethnic Groups</u>	<u>(0010,216n)</u>	<u>See Section C.2.3 Patient Demographic Module for description.</u>
...		

Amend DICOM PS3.6 as follows (changes to existing text are bold and underlined for additions and ~~struckthrough~~ for removals):

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	
(0010,2161)	Ethnic Group Code Sequence	EthnicGroupCodeSequence	SQ	1	
<u>(0010,216n)</u>	<u>Ethnic Groups</u>	<u>EthnicGroups</u>	<u>UC</u>	<u>1-n</u>	