

2.A.62 RFR - reference range

HL7 Component Table - RFR - Reference Range

✓ 2.7.1

SEQ	LEN	C.LEN	DT	OPT	TBL#	COMPONENT NAME	COMMENTS	SEC.REF.
1			NR	R		Numeric Range		2.A.48
2			CWE	O	0001	Administrative Sex		2.A.36
3			NR	O		Age Range		2.A.48
4			NR	O		Gestational Age Range		2.A.48
5		20=	ST	O		Species		2.A.75

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Page 72 July 2012.

RE: v271 RFR datatype reference for ballot # 109, #112

Chapter 2A: Control - Data Types

SEQ	LEN	C.LEN	DT	OPT	TBL#	COMPONENT NAME	COMMENTS	SEC.REF.
6		20=	ST	O		Race/subspecies		2.A.75
7			TY	O		Conditions		2.A.79

Propose the following changes to the RFR datatypes to make conformant to underlying standard. - Eric

1.1 RFR - Reference Range

SEQ	Component Name	DT	Usage	Value Set	Comments
1	Numeric Range	NR	R		
2	Administrative Sex	<u>CWE</u>	<u>ORE</u>	HL70001	This data type is used in OM2-6, OM2-7, and OM2-8. This component shall use the HL7 2.5.1 User-defined Table 0001 - Administrative Sex.
3	Age Range		O		
4	Gestational Age Range		O		

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TABLE ERROR! NO TEXT OF SPECIFIED STYLE IN DOCUMENT.-111. RFR - REFERENCE					
SEQ	Component Name	DT	Usage	Value Set	Comments
5	Species		O		
6	Race/subspecies	EST	RE	HL70005	This data type is used in OM2-6, OM2-7, and OM2-8. The IG <u>IG</u> treats RFR.6 as a CE data type by defining the format for the component. This component shall <u>should</u> use the HL7 2.7.1 User-defined Table 0005 - Race. <u>Text component.</u> <u>More specific race values are available, but not limited to, those found in the CDCREC document: (http://www.cdc.gov/nchs/data/dvs/Race_Ethnicity_CodeSet.pdf).</u>
7	Conditions	TX	O		

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AND change the text in the usage notes below OM2 on page 58 to the following...

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The OM2-6 (Reference (Normal) Range for Ordinal and Continuous Observations) field is repeating and shall repeat for every occurrence of a normal reference range identified in the associated OM1 segment.

Reference Ranges are applicable to the result code level. When processing HL7 results electronically, the OBX.7 Reference Ranges value shall take precedence over the value contained in the compendium for the identified result code.

This field shall use the HL7 2.5.1 User defined Table 0001 – Administrative Sex for suggested values in the OM2-6 second sub component.

This field shall use the text component of HL7 2.7.1 User defined Table 0005 – Race for suggested values in the OM2-6 sixth sub component.

Example...

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Also my ballot comment refers to the NR datatype missing from the IG. It is referenced in the RFR.1 above.

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Here is the standard:

2.A.48 NR - numeric range

HL7 Component Table - NR – Numeric Range

SEQ	LEN	C.LEN	DT	OPT	TBL#	COMPONENT NAME	COMMENTS	SEC.REF.
1			NM	O		Low Value		2.A.47
2			NM	O		High Value		2.A.47

Definition: Specifies the interval between the lowest and the highest values in a series of data. In the case where a numeric range is unbounded on one side, the component of the unbounded side is null. Whether the end points are included in the range is defined in the usage note for the field.

Note: Replaces the CM data type used in sections 8.8.4.6.1–OM2-6.1, 8.8.4.6.3–OM2-6.3 and 8.8.4.6.4–OM2-6.4 of

Here is what I propose adding to the eDOS IG in the datatypes section:

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1.2 NR – Numeric Range

TABLE ERROR! NO TEXT OF SPECIFIED STYLE IN DOCUMENT. –XX. NUMERIC RANGE (NR)					
SEQ	Component Name	DT	Usag	Value Set	Comments
1	<u>Low Value</u>	<u>NM</u>	<u>RE</u>		<u>If the low value is unbounded, then the component is null</u>
2	<u>High Value</u>	<u>NM</u>	<u>RE</u>		<u>If the high value is unbounded, then the component is null</u>