

Data type - Value Domain

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Data type - Value Domain

The following information is applicable to value domains only.

Definition

A set of distinct values, characterised by properties of those values and by the operations on those values e.g. Currency and Number.

Obligation

Mandatory completion.

Development rules

Valid data types are presented in Table 1.

The data type reflects the main structure of the value domain, not supplementary value(s) such as 99 - not stated/inadequately described. For example, the data type for a value domain holding yes/no values and a 99 - not stated/inadequately described code is *Boolean*, not *Number*.

A value domain of representation class *Average* or *Total* must have a data type of *Currency* or *Number*.

A value domain of representation class *Currency* must have a data type of *Currency*.

A value domain of representation class *Count* or *Quantity* must have a data type of *Number*.

A value domain of representation class *Percentage* and *Ratio* must have a data type of *Number*.

A value domain of representation class *Code* or *Identifier* must have a data type of *Number* or *String*.

A value domain of representation class *Date* or *Time* must have a data type of *Date/time*.

A value domain of representation class *Text* must have a data type of *String*.

Table 1: Data type values and their associated meaning

Value	Meaning
Boolean	A binary value expressed using a string e.g. true or false.
Currency	A numeric value expressed using a particular medium of exchange.
Date/Time	A specific instance of time expressed in numeric form.
Number	A sequence of numeric characters which may contain decimals, excluding codes with 'leading' characters e.g. '01','02','03'.
String	A sequence of alphabetic and/or numeric characters, including 'leading' characters e.g. '01','02','03'.
Geospatial	Relating to the relative position of things on the earth's surface.

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