# Schema documentation for CDE\_schema.xsd

october 17, 2018

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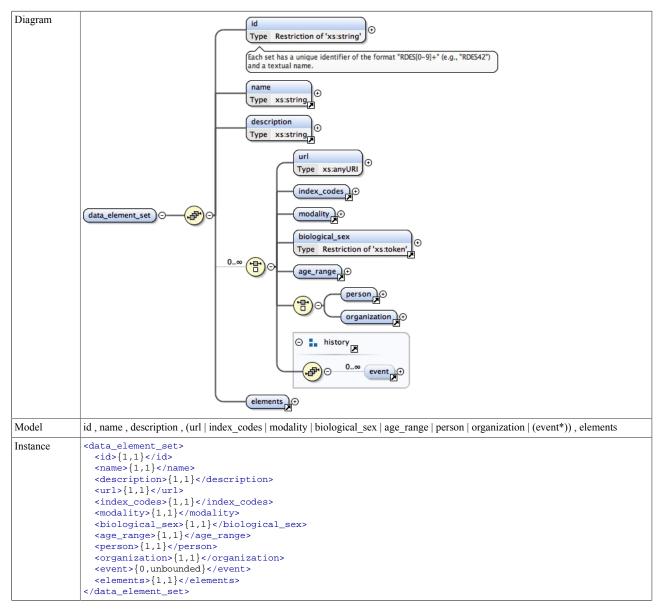
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## Schema(s)

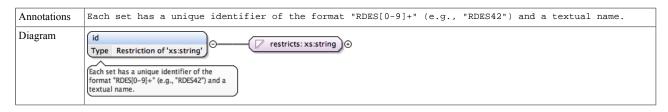
#### Main schema CDE\_schema.xsd

## Element(s)

## Element data\_element\_set

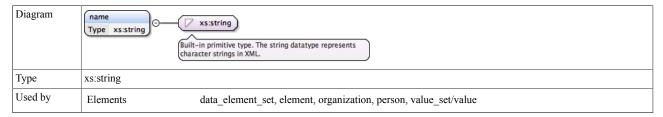


#### Element data\_element\_set / id

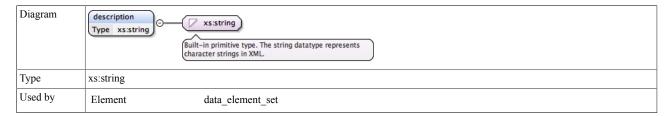


Type	restriction of xs:string	
Facets	pattern	RDES\d+

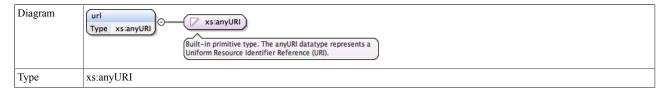
#### Element name



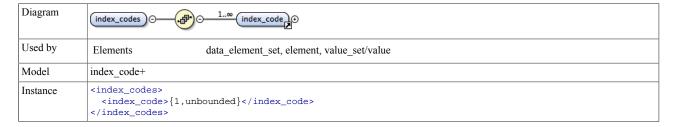
## Element description



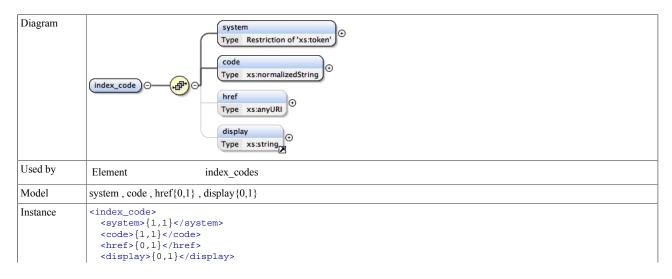
## Element data\_element\_set / url



#### Element index\_codes



#### Element index\_code

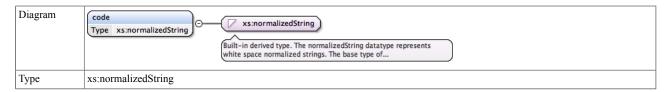


</index\_code>

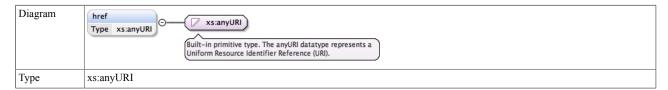
## Element index\_code / system

Diagram	system  Type Restriction of 'xs:token'  O restricts: xs:token  ⊙ restricts: xs:token		
Туре	restriction of xs:token		
Facets	enumeration	RADLEX	
	enumeration	SNOMEDCT	
	enumeration	LOINC	

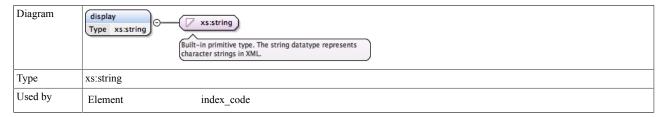
#### Element index\_code / code



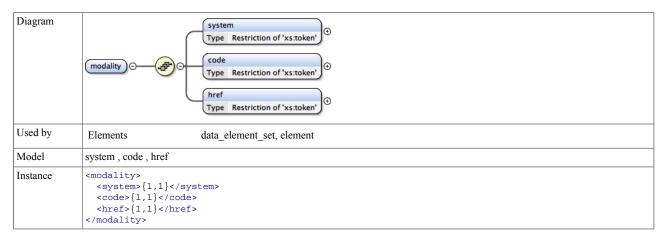
#### Element index\_code / href



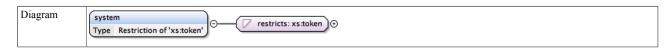
## Element display



## Element modality

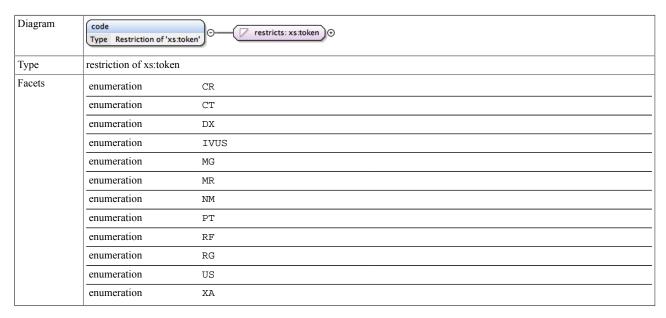


#### Element modality / system



Type	restriction of xs:token	CSUTCUOII OF AS.LORCII	
Facets	enumeration	DICOM	

## Element modality / code



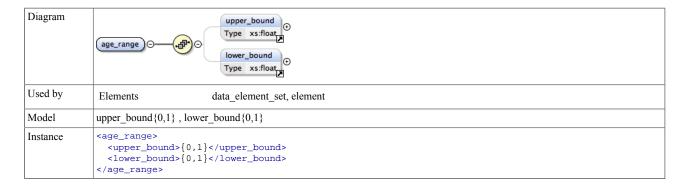
## Element modality / href

Diagram	href Type Restriction of 'xs:token'  ○ restricts: xs:token  ○ restricts: xs:token	
Type	restriction of xs:token	
Facets	enumeration	http://dicom.nema.org/ medical/dicom/ current/output/html/ part03.html#sect_C.7.3.1.1.1

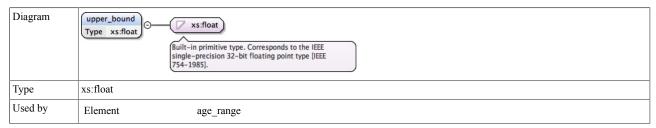
#### Element biological\_sex

Diagram	biological_sex	
Type	restriction of xs:token	
Facets	enumeration	М
	enumeration	F
Used by	Elements	data_element_set, element

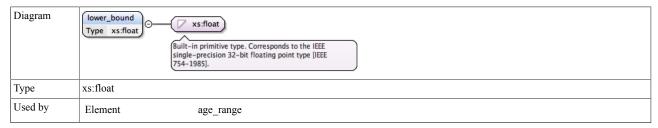
## Element age\_range



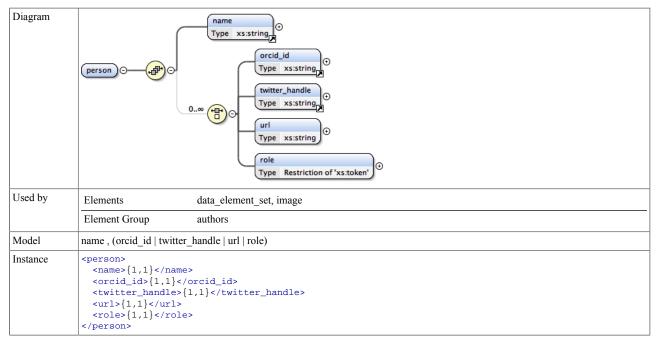
#### Element upper\_bound



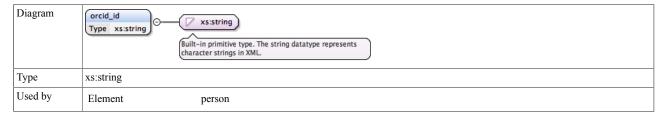
#### Element lower\_bound



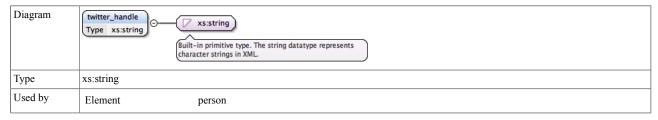
## Element person



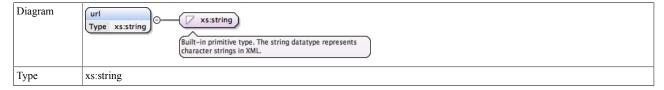
## Element orcid\_id



#### Element twitter\_handle



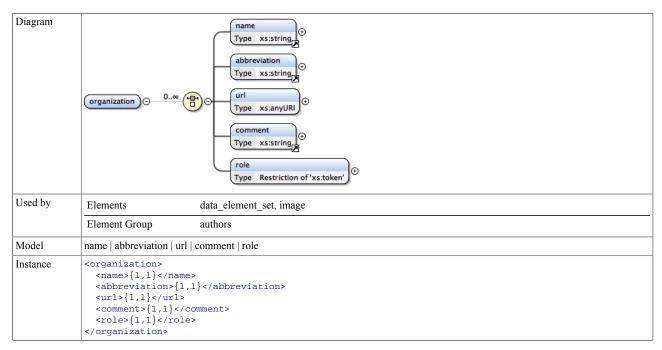
#### Element person / url



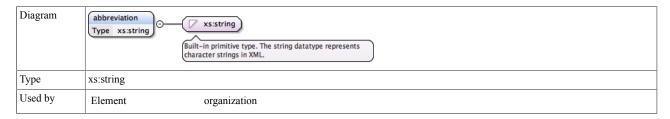
## Element person / role

Diagram	Type Restriction of 'xs:toker	n' ○ restricts: xs:token ) ⊙
Type	restriction of xs:token	
Facets	enumeration	author
	enumeration	editor
	enumeration	translator
	enumeration	reviewer
	enumeration	contributor

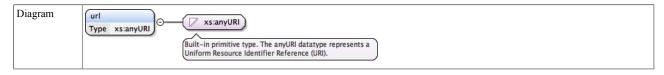
#### Element organization



#### Element abbreviation

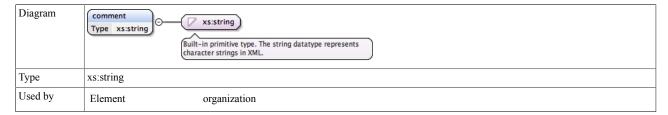


#### Element organization / url



Type xs:anyURI

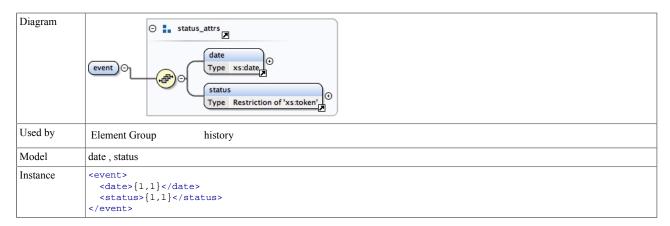
#### Element comment



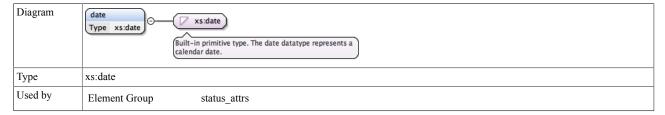
#### Element organization / role

Diagram	Type Restriction of 'xs:toke	n' ○ restricts: xs:token ⊙
Type	restriction of xs:token	
Facets	enumeration	contributor
	enumeration	sponsor
	enumeration	translator
	enumeration	reviewer
	enumeration	author

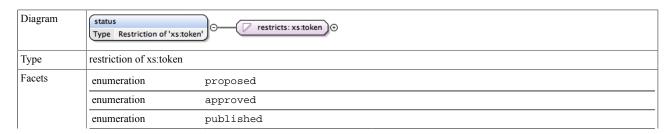
#### Element event



#### Element date

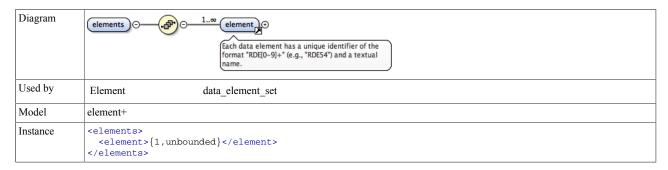


#### Element status

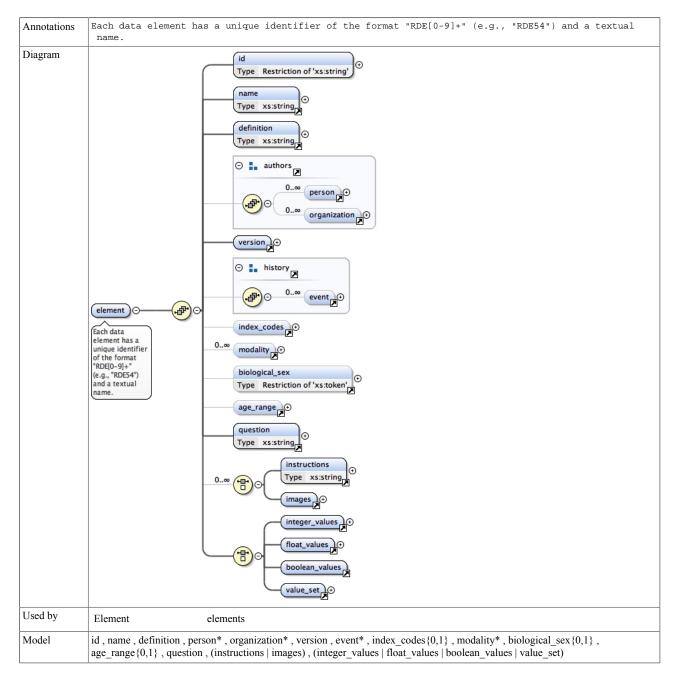


	enumeration	deprecated
Used by	Element Group	status_attrs

#### Element elements

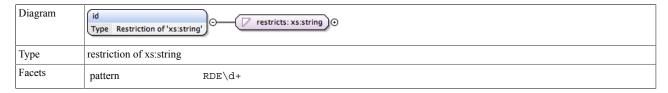


#### Element element

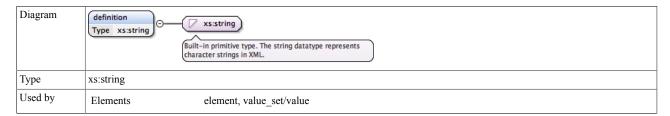


```
Instance
                                                                 <element>
                                                                           <id>{1,1}</id>
                                                                           <name>\{1,1\}</name>
                                                                           <definition>{1,1}</definition>
                                                                           <person>\{0, unbounded\}</person>
                                                                           <organization>{0,unbounded}</organization>
                                                                           <version>{1,1}
                                                                           {\rm event} = \{0, {\rm unbounded}\} < {\rm event} > \{0, {\rm unbounded}\} 
                                                                           <index_codes>{0,1}</index_codes>
                                                                           \verb|-modality|{0,unbounded}|<|modality||
                                                                           <biological_sex>{0,1}</biological_sex>
                                                                           <age_range>{0,1}</age_range>
                                                                           \question>{1,1}</question>
                                                                           \verb| <instructions>{1,1}</instructions>|
                                                                           {\rm images} \{1,1\} {\rm images}
                                                                           \verb| <integer_values> \{1,1\} < /integer_values> |
                                                                           \verb| <float_values> \{1,1\} < /float_values> |
                                                                           <boolean_values>{1,1}/boolean_values>
                                                                           <value_set>{1,1}</value_set>
                                                                   </element>
```

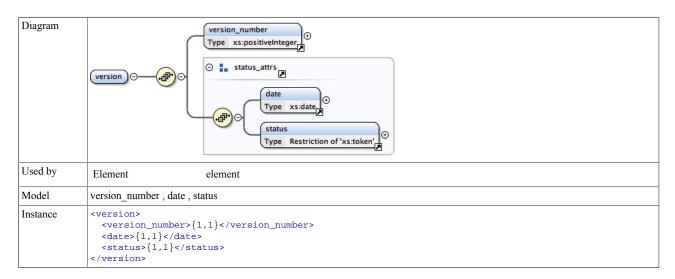
## Element element / id



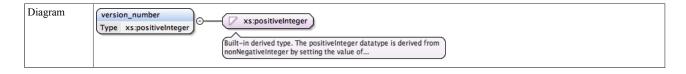
#### Element definition



#### **Element** version

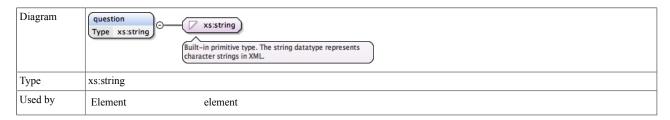


#### Element version\_number

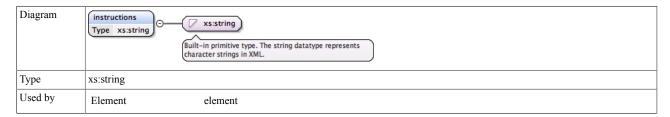


Type	xs:positiveInteger	
Used by	Element	version

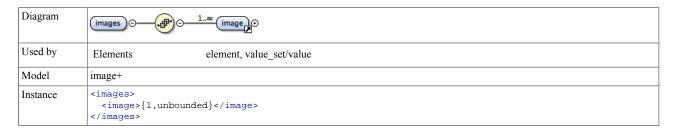
#### Element question



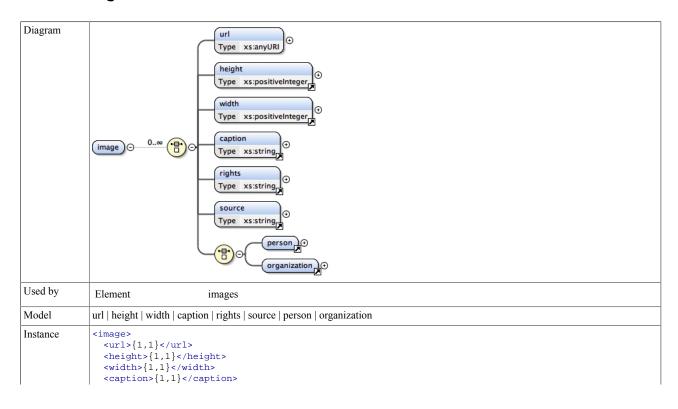
#### **Element** instructions



#### Element images

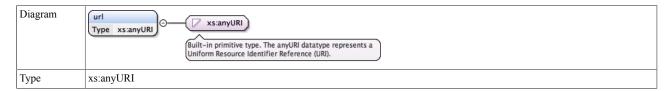


## Element image

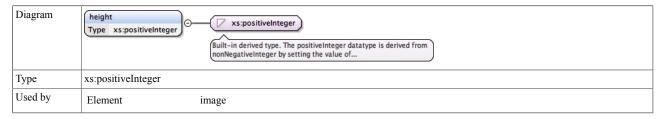


```
<rights>{1,1}</rights>
  <source>{1,1}</source>
  <person>{1,1}</person>
  <organization>{1,1}</organization>
</image>
```

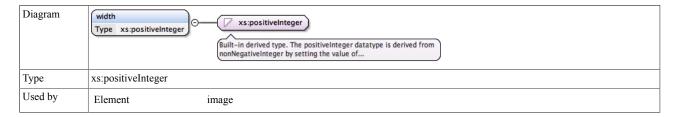
## Element image / url



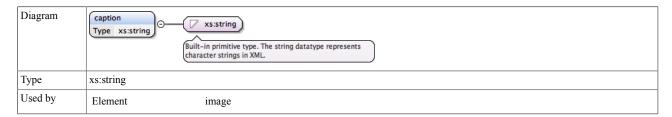
#### Element height



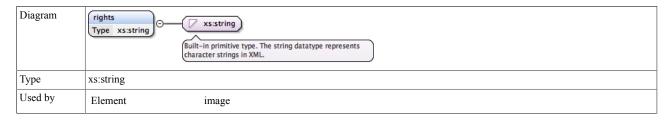
#### Element width



## Element caption



#### Element rights

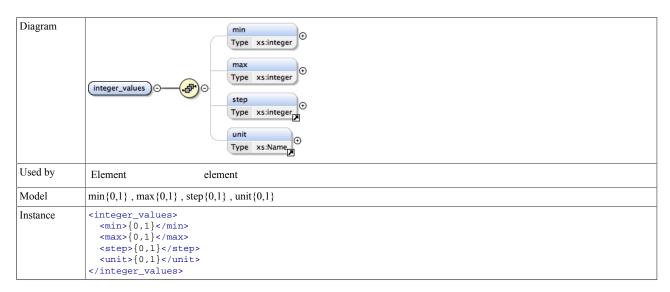


#### **Element source**

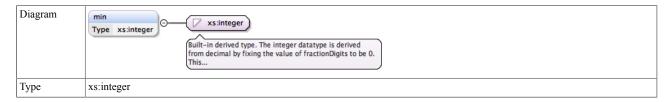


Type	xs:string	
Used by	Element	image

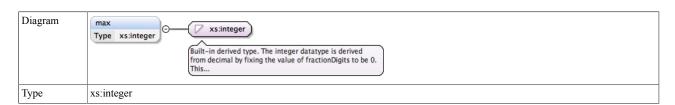
## Element integer\_values



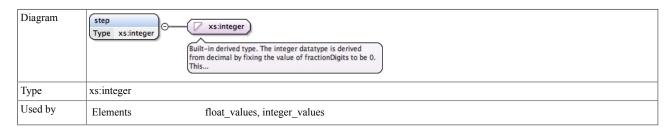
## Element integer\_values / min



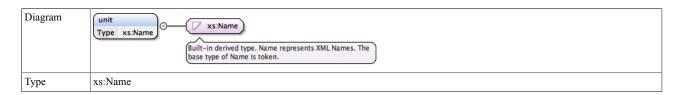
## Element integer\_values / max



#### Element step

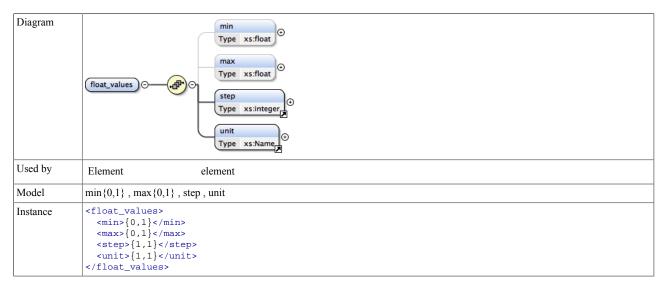


#### Element unit

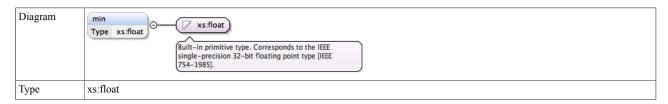


Used by Elements float\_values, integer\_values

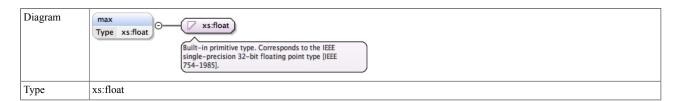
#### Element float\_values



## Element float\_values / min



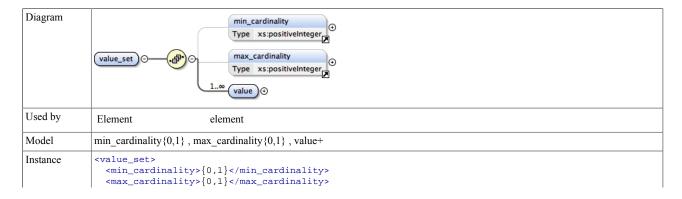
## Element float\_values / max



#### Element boolean\_values

Diagram	(boolean_values)	
Used by	Element	element

#### Element value\_set

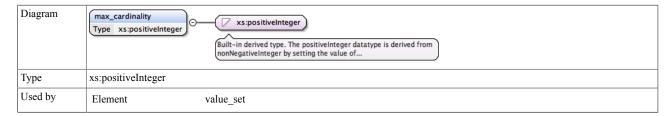


```
<value>{1,unbounded}</value>
</value_set>
```

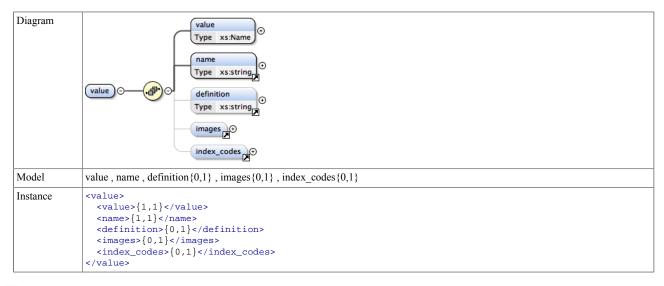
#### Element min\_cardinality

Diagram	min_cardinality Type xs:positiveInteger	Built-in derived type. The positiveInteger datatype is derived from nonNegativeInteger by setting the value of
Type	xs:positiveInteger	
Used by	Element	value_set

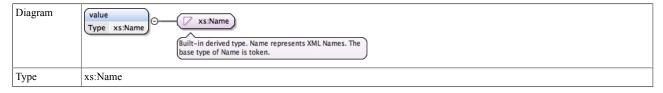
#### Element max\_cardinality



#### Element value\_set / value

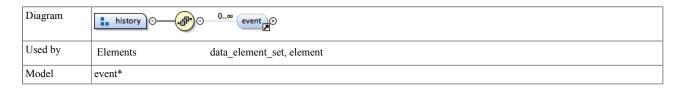


## Element value\_set / value / value

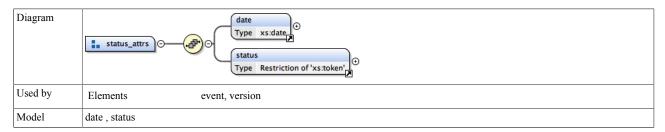


## **Element Group(s)**

#### Element Group history



## Element Group status\_attrs



## **Element Group authors**

