

4.5 US Realm Date and Time (DT.US.FIELDED)

[effectiveTime: identifier urn:oid:2.16.840.1.113883.10.20.22.5.3 (open)]

Table 525: US Realm Date and Time (DT.US.FIELDED) Contexts

Contained By:	Contains:
Physician Reading Study Performer (V2) (optional) Consultation Note (V3) (required) History and Physical (V3) (required) Progress Note (V3) (optional) Progress Note (V3) (required) Procedure Note (V3) (required) Operative Note (V3) (required) Diagnostic Imaging Report (V3) (optional)	

The US Realm Clinical Document Date and Time datatype flavor records date and time information. If no time zone offset is provided, you can make no assumption about time, unless you have made a local exchange agreement.

This data type uses the same rules as US Realm Date and Time (DTM.US.FIELDED), but is used with elements having a datatype of IVL_TS.

Table 526: US Realm Date and Time (DT.US.FIELDED) Constraints Overview

X P a t h	Card	Verb	Data Type	CONF #	Value
effectiveTime	(identifier: urn:oid:2.16.840.1.113883.10.20.22.5.3)				

1. **SHALL** be precise to the day (CONF:81-10078).
2. **SHOULD** be precise to the minute (CONF:81-10079).
3. **MAY** be precise to the second (CONF:81-10080).
4. If more precise than day, **SHOULD** include time-zone offset (CONF:81-10081).

4.6 US Realm Date and Time (DTM.US.FIELDED)

[effectiveTime: identifier urn:oid:2.16.840.1.113883.10.20.22.5.4 (open)]

Table 527: US Realm Date and Time (DTM.US.FIELDED) Contexts

Contained By:	Contains:
US Realm Header (V3) (optional) US Realm Header (V3) (required)	

The US Realm Clinical Document Date and Time datatype flavor records date and time information. If no time zone offset is provided, you can make no assumption about time, unless you have made a local exchange agreement.

This data type uses the same rules as US Realm Date and Time (DT.US.FIELDED), but is used with elements having a datatype of TS.

Table 528: US Realm Date and Time (DTM.US.FIELDED) Constraints Overview

X P a t h	Card	Verb	Data Type	CONF #	Value
	1		DTM.US.FIELDED	81-10127	effectiveTime (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.4)

1. **SHALL** be precise to the day (CONF:81-10127).
2. **SHOULD** be precise to the minute (CONF:81-10128).
3. **MAY** be precise to the second (CONF:81-10129).
4. If more precise than day, **SHOULD** include time-zone offset (CONF:81-10130).

Figure 238: US Realm Date and Time Example

```
<!-- Common values for date/time elements would range in precision to the day YYYYMMDD to
precision to the second with a time zone offset YYYYMMDDHHMMSS - ZZzz -->
<!-- time element with TS data type precise to the day for a birthdate -->
<time value="19800531"/>
<!-- effectiveTime element with IVL<TS> data type precise to the second for an observation
-->
<effectiveTime>
  <low value="20110706122735-0800"/>
  <high value="20110706122815-0800"/>
</effectiveTime>
```

4.7 US Realm Patient Name (PTN.US.FIELDED)

[name: identifier urn:oid:2.16.840.1.113883.10.20.22.5.1 (open)]

Table 529: US Realm Patient Name (PTN.US.FIELDED) Contexts

Contained By:	Contains:
US Realm Header (V3) (required)	

The US Realm Patient Name datatype flavor is a set of reusable constraints that can be used for the patient or any other person. It requires a first (given) and last (family) name. If a patient or person has only one name part (e.g., patient with first name only) place the name part in the field required by the organization. Use the appropriate nullFlavor, "Not Applicable" (NA), in the other field. For information on mixed content see the Extensible Markup Language reference (<http://www.w3c.org/TR/2008/REC-xml-20081126/>).