

### ***Provenance - Author Participation***

[author: identifier urn:oid:2.16.840.1.113883.10.20.22.5.6:2019-10-01 (open)]

This template represents the key information to record Provenance in an Author Participation.

This Participation is appropriate to use at the CDA Header, CDA Section, or CDA Entry.

This template is consistent with the C-CDA Author Participation template (2.16.840.1.113883.10.20.22.4.119), however, it doesn't use a formal 'conforms to' relationship. All constraints defined in this template simply specialize the existing Author Participation template. The assignedAuthor/id may be set equal to (a pointer to) an id on a participant elsewhere in the document (header or entries) or a new author participant can be described here.

## Appendix C: Provenance - Author Participation

**Table 1: Provenance - Author Participation Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
author (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.6)					
templateId	1..1	SHALL		<a href="#">4440-6</a>	
@root	1..1	SHALL		<a href="#">4440-15</a>	2.16.840.1.113883.10.20.22.5.6
@extension	1..1	SHALL		<a href="#">4440-36</a>	2019-10-01
time	1..1	SHALL		<a href="#">4440-7</a>	
assignedAuthor	1..1	SHALL		<a href="#">4440-1</a>	
id	1..*	SHALL		<a href="#">4440-2</a>	
id	0..1	SHOULD		<a href="#">4440-20</a>	
@nullFlavor	0..1	MAY		<a href="#">4440-21</a>	urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = UNK
@root	1..1	SHALL		<a href="#">4440-22</a>	2.16.840.1.113883.4.6
@extension	0..1	SHOULD		<a href="#">4440-23</a>	
code	0..1	SHOULD		<a href="#">4440-33</a>	
@code	1..1	SHALL		<a href="#">4440-34</a>	urn:oid:2.16.840.1.113883.11.20.12.1 (Personal And Legal Relationship Role Type)
assignedPerson	0..1	SHOULD		<a href="#">4440-3</a>	
name	1..*	SHALL		<a href="#">4440-9</a>	
family	1..1	SHALL		<a href="#">4440-17</a>	
given	1..*	SHALL		<a href="#">4440-18</a>	
assignedAuthoringDevice	0..1	MAY		<a href="#">4440-32</a>	
representedOrganization	1..1	SHALL		<a href="#">4440-4</a>	
@nullFlavor	0..1	MAY		<a href="#">4440-35</a>	
id	1..*	SHALL		<a href="#">4440-10</a>	
id	1..1	SHALL		<a href="#">4440-24</a>	
@nullFlavor	0..1	MAY		<a href="#">4440-25</a>	urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = UNK
@root	1..1	SHALL		<a href="#">4440-26</a>	2.16.840.1.113883.4.2
@extension	0..1	SHOULD		<a href="#">4440-27</a>	
id	0..1	SHOULD		<a href="#">4440-28</a>	
@nullFlavor	0..1	MAY		<a href="#">4440-29</a>	urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = UNK
@root	1..1	SHALL		<a href="#">4440-30</a>	2.16.840.1.113883.4.6
@extension	0..1	SHOULD		<a href="#">4440-31</a>	
name	1..1	SHALL		<a href="#">4440-11</a>	
telecom	1..*	SHOULD		<a href="#">4440-12</a>	

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:4440-6) such that it

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- a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.5.6" (CONF:4440-15).
- b. **SHALL** contain exactly one [1..1] **@extension**="2019-10-01" (CONF:4440-36).
2. **SHALL** contain exactly one [1..1] **time** (CONF:4440-7).
3. **SHALL** contain exactly one [1..1] **assignedAuthor** (CONF:4440-1).
  - a. This **assignedAuthor** **SHALL** contain at least one [1..\*] **id** (CONF:4440-2).
  - b. This **assignedAuthor** **SHOULD** contain zero or one [0..1] **id** (CONF:4440-20) such that it

If **id** with **@root**="2.16.840.1.113883.4.6" National Provider Identifier is unknown then

- i. **MAY** contain zero or one [0..1] **@nullFlavor**="UNK" Unknown (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:4440-21).
- ii. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.4.6" National Provider Identifier (CONF:4440-22).
- iii. **SHOULD** contain zero or one [0..1] **@extension** (CONF:4440-23).

When the author is a person who is not acting in the role of a clinician, this code encodes the personal or legal relationship between author and the patient.

- c. This **assignedAuthor** **SHOULD** contain zero or one [0..1] **code** (CONF:4440-33).
  - i. The code, if present, **SHALL** contain exactly one [1..1] **@code**, which **SHOULD** be selected from ValueSet Personal And Legal Relationship Role Type urn:oid:2.16.840.1.113883.11.20.12.1 **DYNAMIC** (CONF:4440-34).
- d. This **assignedAuthor** **SHOULD** contain zero or one [0..1] **assignedPerson** (CONF:4440-3).
  - i. The **assignedPerson**, if present, **SHALL** contain at least one [1..\*] **name** (CONF:4440-9).
    1. Such names **SHALL** contain exactly one [1..1] **family** (CONF:4440-17).
    2. Such names **SHALL** contain at least one [1..\*] **given** (CONF:4440-18).
- e. This **assignedAuthor** **MAY** contain zero or one [0..1] **assignedAuthoringDevice** (CONF:4440-32).
- f. This **assignedAuthor** **SHALL** contain exactly one [1..1] **representedOrganization** (CONF:4440-4).

A **nullFlavor** of "NA" is allowed If the **assignedAuthor** is not a clinician

- i. This **representedOrganization** **MAY** contain zero or one [0..1] **@nullFlavor** (CONF:4440-35).
- ii. This **representedOrganization** **SHALL** contain at least one [1..\*] **id** (CONF:4440-10).
- iii. This **representedOrganization** **SHALL** contain exactly one [1..1] **id** (CONF:4440-24) such that it

If **id** with **@root**="2.16.840.1.113883.4.2" Tax ID Number is unknown then

1. **MAY** contain zero or one [0..1] **@nullFlavor**="UNK" Unknown (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:4440-25).

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2. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.4.2" Tax ID Number (CONF:4440-26).
3. **SHOULD** contain zero or one [0..1] **@extension** (CONF:4440-27).
- iv. This **representedOrganization** **SHOULD** contain zero or one [0..1] **id** (CONF:4440-28) such that it

If **id** with **@root**="2.16.840.1.113883.4.6" National Provider Identifier is unknown then

1. **MAY** contain zero or one [0..1] **@nullFlavor**="UNK" Unknown (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:4440-29).
2. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.4.6" National Provider Identifier (CONF:4440-30).
3. **SHOULD** contain zero or one [0..1] **@extension** (CONF:4440-31).
- v. This **representedOrganization** **SHALL** contain exactly one [1..1] **name** (CONF:4440-11).
- vi. This **representedOrganization** **SHOULD** contain at least one [1..\*] **telecom** (CONF:4440-12).

**Figure 1: Provenance - Author Participation**

```
<author>
  <!-- Provenance - Author Participation -->
  <templateId root="2.16.840.1.113883.10.20.22.5.6"/>
  <time value="201308011235-0800"/>
  <assignedAuthor>
    <!-- NPI of Author (example) -->
    <id root="2.16.840.1.113883.4.6" extension="1234567"/>
    <assignedPerson>
      <name>
        <given>Nurse</given>
        <family>Nightingale</family>
        <suffix>RN</suffix>
      </name>
    </assignedPerson>
  </assignedAuthor>
  <representedOrganization>
    <!-- Tax Identifier of Organization is Unknown -->
    <id root="2.16.840.1.113883.5.1008" nullFlavor="UNK"/>
    <!-- NPI of Organization -->
    <id root="2.16.840.1.113883.4.6" extension="1104145838"/>
    <name>Good Health Hospital</name>
    <telecom value="tel:+1(555)867-5309"/>
  </representedOrganization>
</author>
```