

- a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.2.2" (CONF:1198-10399).
 - b. **SHALL** contain exactly one [1..1] **@extension**="2015-08-01" (CONF:1198-32529).
2. **SHALL** contain exactly one [1..1] **code** (CONF:1198-15367).
 - a. This code **SHALL** contain exactly one [1..1] **@code**="11369-6" Immunizations (CONF:1198-15368).
 - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:1198-32146).
3. **SHALL** contain exactly one [1..1] **title** (CONF:1198-7967).
4. **SHALL** contain exactly one [1..1] **text** (CONF:1198-7968).
5. **SHOULD** contain zero or more [0..*] **entry** (CONF:1198-7969) such that it
 - a. **SHALL** contain exactly one [1..1] [Immunization Activity \(V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.52:2015-08-01) (CONF:1198-15494).

2.31.1 Immunizations Section (entries required) (V3)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.2.2.1:2015-08-01 (open)]

Table 130: Immunizations Section (entries required) (V3) Contexts

Contained By:	Contains:
Continuity of Care Document (CCD) (V3) (optional) Referral Note (V2) (optional)	Immunization Activity (V3) (required)

The Immunizations Section defines a patient's current immunization status and pertinent immunization history. The primary use case for the Immunization Section is to enable communication of a patient's immunization status. The section should include current immunization status, and may contain the entire immunization history that is relevant to the period of time being summarized.

Table 131: Immunizations Section (entries required) (V3) Constraints Overview

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.1:2015-08-01)					
@nullFlavor	0..1	MAY		1198-32833	urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = NI
templateId	1..1	SHALL		1198-9015	
@root	1..1	SHALL		1198-10400	2.16.840.1.113883.10.20.22.2.1
@extension	1..1	SHALL		1198-32530	2015-08-01
code	1..1	SHALL		1198-15369	
@code	1..1	SHALL		1198-15370	11369-6
@codeSystem	1..1	SHALL		1198-32147	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		1198-9017	
text	1..1	SHALL		1198-9018	
entry	1..*	SHALL		1198-9019	
substanceAdministration	1..1	SHALL		1198-15495	Immunization Activity (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.52:2015-08-01)

1. Conforms to [Immunizations Section \(entries optional\) \(V3\)](#) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.2:2015-08-01).
2. **MAY** contain zero or one [0..1] @nullFlavor="NI" No information (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:1198-32833).
3. **SHALL** contain exactly one [1..1] templateId (CONF:1198-9015) such that it
 - a. **SHALL** contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.2.2.1" (CONF:1198-10400).
 - b. **SHALL** contain exactly one [1..1] @extension="2015-08-01" (CONF:1198-32530).
4. **SHALL** contain exactly one [1..1] code (CONF:1198-15369).
 - a. This code **SHALL** contain exactly one [1..1] @code="11369-6" Immunizations (CONF:1198-15370).
 - b. This code **SHALL** contain exactly one [1..1] @codeSystem="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:1198-32147).
5. **SHALL** contain exactly one [1..1] title (CONF:1198-9017).
6. **SHALL** contain exactly one [1..1] text (CONF:1198-9018).

If section/@nullFlavor is not present:

7. **SHALL** contain at least one [1..*] **entry** (CONF:1198-9019) such that it
 - a. **SHALL** contain exactly one [1..1] [Immunization Activity \(V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.52:2015-08-01) (CONF:1198-15495).

Figure 85: Immunizations Section (entries required) (V3) Example

```

<section>
  <templateId root="2.16.840.1.113883.10.20.22.2.2" />
  <templateId root="2.16.840.1.113883.10.20.22.2.2" extension="2015-08-01" />
  <templateId root="2.16.840.1.113883.10.20.22.2.2.1" />
  <templateId root="2.16.840.1.113883.10.20.22.2.2.1" extension="2015-08-01" />
  <!-- ***** Immunizations section template ***** -->
  <code code="11369-6" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="History of immunizations" />
  <title>Immunizations</title>
  <text>
    <table border="1" width="100%">
      <thead>
        <tr>
          <th>Vaccine</th>
          <th>Date</th>
          <th>Status</th>
        </tr>
      </thead>
      <tbody>
        <tr>
          <td>
            <content ID="immun1" />Influenza virus vaccine, IM

            </td>
            <td>Nov 1999</td>
            <td>Completed</td>
          </tr>
          <tr>
            <td>
              <content ID="immun2" />Influenza virus vaccine, IM

              </td>
              <td>Dec 1998</td>
              <td>Completed</td>
            </tr>
          <tr>
            <td>
              <content ID="immun3" />
Pneumococcal polysaccharide vaccine, IM

              </td>
              <td>Dec 1998</td>
              <td>Completed</td>
            </tr>
          <tr>
            <td>
              <content ID="immun4" />Tetanus and diphtheria toxoids, IM

              </td>
              <td>1997</td>
              <td>Refused</td>
            </tr>
      </tbody>
    </table>
  </text>

```

```

        </tr>
      </tbody>
    </table>
  </text>
  <entry typeCode="DRIV">
    <substanceAdministration classCode="SBADM" moodCode="EVN" negationInd="false">
      <templateId root="2.16.840.1.113883.10.20.22.4.52" />
      <!-- **** Immunization activity template **** -->
      ...

    </substanceAdministration>
  </entry>
  ...
</section>

```

2.32 Implants Section (DEPRECATED)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.2.33:2014-06-09
(open)]

THIS TEMPLATE HAS BEEN DEPRECATED IN C-CDA R2 AND MAY BE DELETED FROM A FUTURE RELEASE OF THIS IMPLEMENTATION GUIDE. USE OF THIS TEMPLATE IS NOT RECOMMENDED.

Reason for Deprecation: Replaced by the Procedure Implants Section
(2.16.840.1.113883.10.20.22.2.40)

Table 132: Implants Section (DEPRECATED) Constraints Overview

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.33:2014-06-09)					
templateId	1..1	SHALL		1098-8042	
@root	1..1	SHALL		1098-32608	2.16.840.1.113883.10.20.22.2.33
@extension	1..1	SHALL		1098-32609	2014-06-09
code	1..1	SHALL		1098-15371	
@code	1..1	SHALL		1098-15372	55122-6
@codeSystem	1..1	SHALL		1098-26471	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		1098-8044	
text	1..1	SHALL		1098-8045	