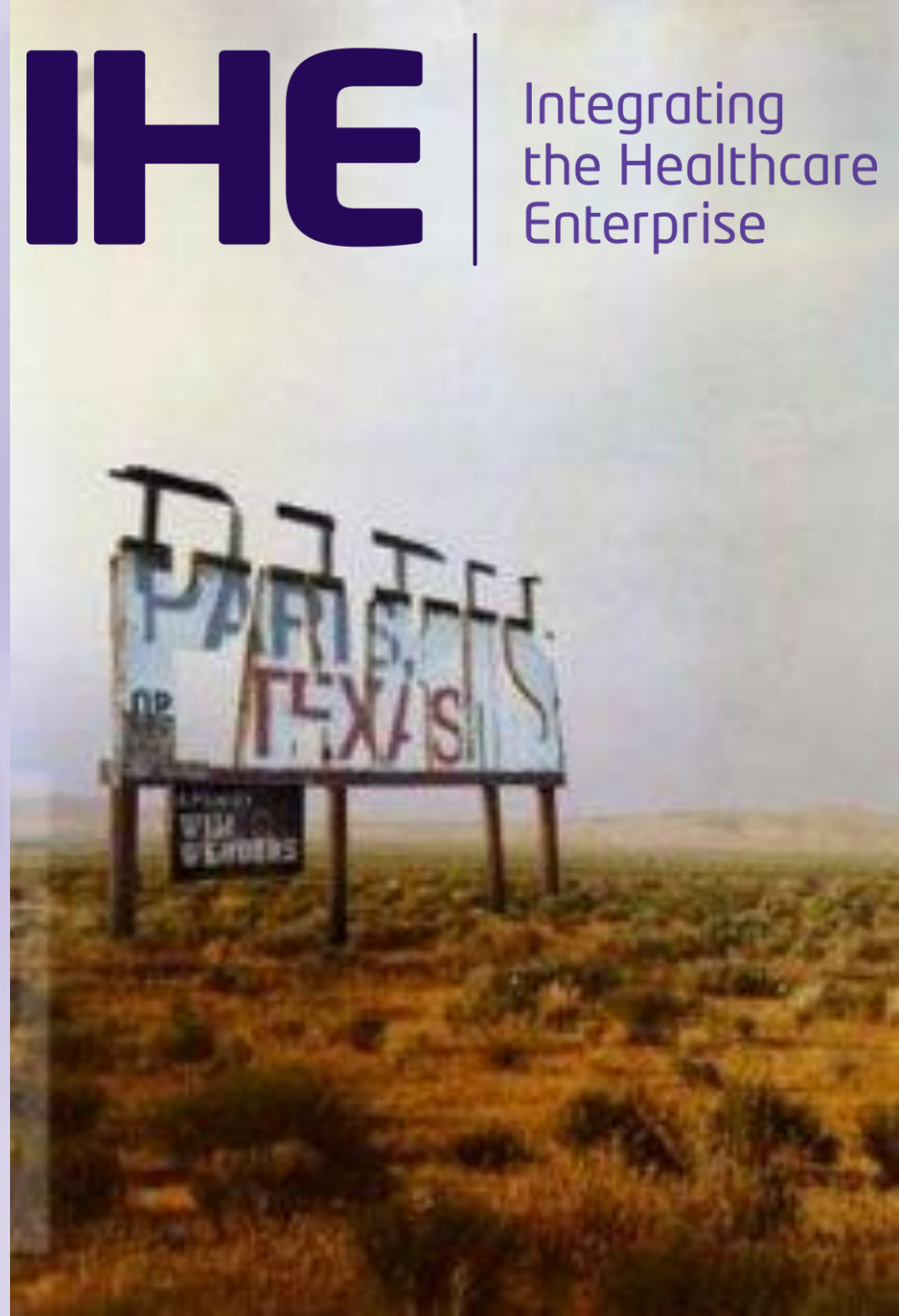


# IHE

Integrating  
the Healthcare  
Enterprise

Anatomic Pathology  
face to face meeting  
August 5-6

→ APSR update



# APSR's body



## A CDA section

- SHALL have a `templatedId` (model of section) ;
- SHALL have a LOINC code (type of section) ;
- SHALL have a title ;
- SHALL have `text`, rendering the content, possibly including illustrative images ;
- MAY have structured, coded `data elements`. (in one or more entry elements).
- MAY nest other sections.

```
<section>
```

```
  <templatedId root="1.3.6.1.4.1.19376.1.8.1.2.5"/>
```

```
  <code code="22637-3" displayName="Conclusion - Diagnostic"
        codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>
```

```
  <title>CONCLUSION - DIAGNOSTIC</title>
```

```
  <text> metastatic renal cell carcinoma
```

```
    ...
```

```
  </text>
```

```
[ <entry> ... ]
```

APSR

Header

Structured Body

Reason for AP procedure section [0..1]

History of present illness section [0..1]

Active problems section [0..1]

Clinical information section [0..1]

Specimen clinical information entry [0..\*]

Intraoperative observation section [0..1]

Specimen intraoperative observation entry [0..\*]

Macroscopic observation section [0..1]

Specimen macroscopic observation entry [0..\*]

Microscopic observation section [0..1]

Specimen microscopic observation entry [0..\*]

Diagnosis section [1..1]

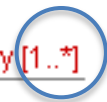
Report textual summary section [0..1]

Specimen diagnosis entry [1..\*]

Procedure steps section [0..1]

Six 1<sup>st</sup> level sections.

Only one mandatory, and mandating structured data elements



# Handling "none" in an observation of the <entry>



## **None:**

It is known with complete confidence that there are none. This indicates that the sender knows that there is no relevant information of this kind that can be sent.

## **None Known**

None known at this time, but it is not known with complete confidence that none exist.

- Those two situations “None” and “None known” represent effective values, which are part of the value sets attached to the observation.

Example:

Invaded nodes: None.

# Handling missing information in an observation of the <entry>



These situations are handled with the nullFlavor attribute

## **Asked but unknown**

→ `<value nullFlavor="ASKU" />`

The observation was performed but the result could not be determined.

## **Unknown**

→ `<value nullFlavor="UNK" />`

The information is not known, or is otherwise unavailable.

## **Other, not specified**

→ `<value nullFlavor="OTH" />`

The actual value does not belong to the assigned value set and is not reported at all by the author.

## **Not applicable**

→ `<value nullFlavor="NA" />`

No proper value is applicable in this context.

## **Temporarily not available (added this year)**

→ `<value nullFlavor="NAV" />`

The value is currently unavailable. It may or may not be delivered later.

For instance used to specify that an ancillary technique was not performed (so far).

# Handling unexpected information in an observation of the <entry>

## Other, specify

The actual value does not belong to the assigned value set and the author of the report provides this *foreign value anyway*.

Two different ways to handle this situation in a coded data element:

### 1) The value set is open to extensions:

coding strength = "CWE" (coded with exceptions).

- Provide the `@code`, `@displayName`, `@codeSystem` and `@codeSystemName`, which describe the foreign code

```
<value xsi:type="CD"  
  code="A5B2"  
  displayName="ADENOCARCINOME INTRACANALAIRE IN SITU"  
  codeSystem="1.2.250.1.213.2.11"  
  codeSystemName="ADICAP"/>
```



2) No code is available in any terminology, for the value observed

- Provide the non-coded answer as free text in the <originalText> child element.



```
<value xsi:type="CD"
  <originalText >Grade out of upper scale</originalText >
</value>
```

# New APSR templates

templateId (default title)	formatCode metadata
1.3.6.1.4.1.19376.1.8.1.1.2.21 (neuroendocrine tumor of the stomach)	urn:ihe:pat:apsr:neuroendocrine_stomach:2012
1.3.6.1.4.1.19376.1.8.1.1.2.22 (neuroendocrine tumor of the colon and rectum)	urn:ihe:pat:apsr:neuroendocrine_colon_rectum:2012
1.3.6.1.4.1.19376.1.8.1.1.2.23 (neuroendocrine tumor of the small intestine and ampulla)	urn:ihe:pat:apsr:neuroendocrine_small_intestine_ampulla:2012
1.3.6.1.4.1.19376.1.8.1.1.2.24 (neuroendocrine tumor of the appendix)	urn:ihe:pat:apsr:neuroendocrine_appendix:2012
1.3.6.1.4.1.19376.1.8.1.1.2.25 (endocrine pancreas)	urn:ihe:pat:apsr: endocrine_pancreas:2012
1.3.6.1.4.1.19376.1.8.1.1.2.26 (nasal cavity and paranasal sinuses)	urn:ihe:pat:apsr:nasal_cavity_paranasal_sinuses:2012
1.3.6.1.4.1.19376.1.8.1.1.2.27 (brain/spinal cord)	urn:ihe:pat:apsr:brain_spinal_cord:2012
1.3.6.1.4.1.19376.1.8.1.1.2.28 (Hodgkin lymphoma)	urn:ihe:pat:apsr:Hodgkin_lymphoma:2012
1.3.6.1.4.1.19376.1.8.1.1.2.29 (non-Hodgkin lymphoma)	urn:ihe:pat:apsr:non_Hodgkin_lymphoma:2012
1.3.6.1.4.1.19376.1.8.1.1.2.30 (soft tissues)	urn:ihe:pat:apsr:soft_tissues:2012