## CDA Narrative Block

The section class in which the narrative block sits has the following attributes

|  |  |
| --- | --- |
| Attribute | Value / Description |
| classCode | ALWAYS FIXED to “DOCSECT” |
| moodCode | ALWAYS FIXED to “EVN” |
| id | Is a UUID unique to the document section |
| code | Not used in NHS111 (so is omitted) |
| title | The document section title, such as “Case Summary”, “Patient Special Notes” |
| text | The text narrative for the document section |
| templateId | First section is COCD\_TP146246GB01#Section1, subsequent sections  ALWAYS COCD\_TP146246GB01#section[n], where [n] is the section level |

Example

<section classCode="DOCSECT" moodCode="EVN">

<templateId root="2.16.840.1.113883.2.1.3.2.4.18.2" extension="COCD\_TP146246GB01#Section1"/>

<id root="8271D2F1-126F-4A14-A1AC-C6C8023243CF"/>

<title>Case Summary</title>

<text>

<content styleCode="bold">Disposition:</content>

<br/>

<content>

Go to the nearest Emergency Department within 4 hours.

</content>

</text>

</section>

**The narrative within the <text> elements and attribute useful for NHS111**

|  |
| --- |
| <text> element – surrounds a narrative block. This may take attributes such as styleCode, but for NHS111 it is suggested that we will just have <text> (no attributes) |
|  |
| <content> element – “binds” some text together for a purpose, based on the attributes of the <content>. Attributes of <content> are   * ID – used for linking text to coded values (not used in NHS111) * Language – used to define the language of the text (not used in NHS111) * styleCode – use to style text in bold, italics etc. – for example as   <content styleCode=”Bold”>hello</content> renders **hello**  <content> may be nested within other <content> - for example  <content styleCode=”Bold”> <content styleCode=”Underline”>hello</content></content> renders **hello**  <content> tag shouldn’t be used without attributes |
|  |
| <br/> renders a new line |
|  |
| <paragraph> surrounds text that belongs in the same paragraph. This text may be styles (through the styleCode attribute) |
|  |
| <sup> and <sub> elements put text into superscript and subscript respectively. For example  <text>  O<sub>2</sub> renders O2 |
|  |
| <table> is supported in the narrative block, this is the same construct as common HTML  <table>  <tbody>  <tr>  <th>column heading</th><th>column heading</th>  </tr>  <tr>  <td>column data</td><td>column data</td>  </tr>  </tbody>  </table> |
|  |
| <list> can be used to include a bullets list (listType=”unordered”) or a numbered list (listType=”ordered”) – note styleCode may also be used as a <list> attribute. <item> acts as the HTML <li> tag – and may have a styleCode attribute. For example  <list listType="unordered”>  <item styleCode=”bold”>one</item>  <item>two</item>  <itemstyleCode=”underline”>three</item>  </list>  Renders   * **one** * two * three |
|  |

## Recommendations

* Document Section Titles must be in <title> tags and not just bold text
* <text> it is recommended that no text attributes are used
* Senders may send any legal CDA markup, and all CDA markup must be rendered by a receiver
* If text is styled for rendering, then encompass that text in <content> tag with the attribute styleCode containing the highlighting style – for example

<content styleCode=”Bold”>hello</content> renders **hello**

<content styleCode=”Underline”>hello</content> renders hello

<content styleCode=”Italics”>hello</content> renders *hello*

<content styleCode=”Italics”><content styleCode=”Bold”>hello</content></content> renders ***hello***

* You should not be using the <content> tag without using a <content> attribute
* <br/> is allowed within a <content> tag – as this is legal CDA markup
* Any new line in the rendering will be done via a <br/> tag
* Text does not have to be in a <content> tag unless it is being styled (bold, underline, italics)
* Text should not be processed based on markup tags, it should be processed based on the section in which the text appears.

For example

<text>

<content styleCode="bold">Disposition:</content>

<br/>

<content styleCode=”italics”>

Go to the nearest Emergency Department<br/>within 4 hours.</content>

<br/>

<content styleCode="bold">Selected care service:</content>

<br/>

<content styleCode="bold">Dx009</content>

<br/>

<content styleCode="bold">Pathways Assessment:</content>

<br/>

An injury or other health problem was described.

<br/>

The individual was described as breathing and conscious.

<br/>

Loss of at least a mugful of blood in the last 30 minutes was not described.

<br/>

An illness or other health problem was described. - Insect Bite

<br/>

Fighting for breath was not described.

<br/>

A heart attack, chest/upper back pain, recent probable stroke, recent fit/seizure or suicide attempt was not described as the main call reason.

<br/>

New confusion, a diabetic hypo, a probable allergic reaction or successful resuscitation was not described as being the main call reason.

<br/>

The individual was described as being warm to touch.

<br/>

An insect or spider bite or sting was described. - Tick Bite

<br/>

A sting/bite occurring within the last hour was not described.

<br/>

10 or more stings were not described.

<br/>

Nausea or vomiting since the sting was not described.

<br/>

A sting involving the eyes or mouth was not described.

<br/>

A fever was not described.

<br/>

An insect still attached to the skin was described.

<br/>

A tick bite was described.

<br/>

<content styleCode="bold">Advice given:</content>

<br/>

Remove any jewellery or tight clothing from the area.

<br/>

Antihistamine medication and creams help reduce swelling and itching. They can be bought from pharmacies. Talk to the pharmacist for advice. Follow the instructions in the pack.

<br/>

Unless advised not to, or they have already been given, paracetamol or ibuprofen can be used to relieve pain. Follow the instructions in the pack. If in doubt ask a pharmacist.

</text>

Renders as

**Disposition**

*Go to the nearest Emergency Department*

*within 4 hours*.

**Selected care service:**

**Dx009**

**Pathways Assessment**

An injury or other health problem was described.

The individual was described as breathing and conscious.

Loss of at least a mugful of blood in the last 30 minutes was not described.

An illness or other health problem was described. - Insect Bite

Fighting for breath was not described.

A heart attack, chest/upper back pain, recent probable stroke, recent fit/seizure or suicide attempt was not described as the main call reason.

New confusion, a diabetic hypo, a probable allergic reaction or successful resuscitation was not described as being the main call reason.

The individual was described as being warm to touch.

An insect or spider bite or sting was described. - Tick Bite

A sting/bite occurring within the last hour was not described.

10 or more stings were not described.

Nausea or vomiting since the sting was not described.

A sting involving the eyes or mouth was not described.

A fever was not described.

An insect still attached to the skin was described.

A tick bite was described.

**Advice given:**

Remove any jewellery or tight clothing from the area.

Antihistamine medication and creams help reduce swelling and itching. They can be bought from pharmacies. Talk to the pharmacist for advice. Follow the instructions in the pack.

Unless advised not to, or they have already been given, paracetamol or ibuprofen can be used to relieve pain. Follow the instructions in the pack. If in doubt ask a pharmacist.