# Grahame Grieve

## http://hl7.org/fhir/StructureDefinition/lipid-report-ldl-chol-calculated

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | LDL is Calculated |
| Definition | True if the LDL value is calculated from Cholesterol, Triglyceride, and HDLC. |
| Comments | It's definitely better that whether the LDL was calculated or not comes from the LOINC code. But this is defined to exercise the extension machinery in the publication tooling, and to make this comment. Actually, the location is odd too - it would probably be on the root observation, but this is for testing purposes.  The above paragraph makes little sense. Perhaps reduce it to:  ‘This comment is present to exercise the extension machinery in the publication tooling. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

# HL7

## http://hl7.org/fhir/StructureDefinition/valueset-replacedby

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | A code that replaces this |
| Definition | A code that replaces this - use this code instead. |
| Comments | Usually such codes are deprecated (retired). |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/valueset-map

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | A concept map relevant to interpret this value set |
| Definition | A reference to a concept map that is relevant for the interpretation of this value set. |
| Comments | One use of this extension is to include a partial concept map inside an expansion, containing only maps for the concepts included in this particular expansion. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/valueset-definition

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | A definition for this code |
| Definition | A display name that describes the meaning of this code when used as part of this value set. |
| Comments | This is provided for when the source code system doesn't actually provide a definition (there are many such system). Providing a definition for a code should not be done where the underlying code system provides a definition. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/patient-congregation

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | A group of place of religious practice |
| Definition | A group or place of religious practice that may provide services to the patient. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/location-alias

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Alias |
| Definition | Other names that this location is known as. ( e.g., "Pembo HC" and "Pembo Health Clinic"). |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/questionnaire-allowedResource

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Allowed resource for reference |
| Definition | Where the type for a question is "Reference", indicates a type of resource that is permitted. |
| Comments | This extension only has meaning if the question.type = Reference. If no allowedResource extensions are present, the presumption is that any type of resource is permitted. If multiple are present, then any of the specified types are permitted. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | One of the resource types defined as part of FHIR |

## http://hl7.org/fhir/StructureDefinition/valueset-otherName

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Alternative names |
| Definition | Human readable names for the value set. |
| **Extension.extension** |  |
| Name | name |
| Short name | Human readable, short and specific |
| Definition | This name is intended to be human readable, short and as specific as possible, and to convey the purpose of the value set. It is considered to be the name of the value set. |
| Comments | This need not be unique. However some use cases require uniqueness within a namespace and therefore best practice would be to make the name unique. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| **Extension.extension** |  |
| Name | preferred |
| Short name | Which name is preferred for this language |
| Definition | Flag that this Name in this Name Language is the preferred human-readable signifier in this language. |
| Comments | There may be multiple human readable names in a given language, and this flag indicates which of them is preferred for the given language. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/valueset-conceptOrder

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Appearance order for user selection |
| Definition | Identifies the relative order in which concepts within the value set should be presented to a user. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/practitioner-classification

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Classification of the provider |
| Definition | The more specific service or occupation within the health care provider type of the practitioner at a specific organization unit, for example, counselor. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/valueset-systemName

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Code system name |
| Definition | The human-readable name for the code system. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/valueset-subsumes

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Codes that this concept subsumes that have already been declared elsewhere |
| Definition | Refers to another code defined within the code system that is also subsumed by this code. This concept subsumes the referenced concept. Because meaning is inferred from hierarchy as well as definition, the presence of this extension modifies the meaning of the extended concept. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/valueset-comments

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Comment about the use of this code in this context |
| Definition | A comment that explains how this code is used in this context (where the value set is expected to be used). |
| Comments | This is used in various FHIR value sets to make comments on how particular codes are used when the formal definition is a little abstract or vague, but when membership in the actual value set is ambiguous. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/valueset-ordinalValue

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Comparison value for ordinal codes |
| Definition | A numeric value that allows the comparison (less than, greater than) or other numerical manipulation of a concept (e.g. adding up components of a score). |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/patient-disability

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Condition(s) limiting movement, senses, or activities |
| Definition | Value(s) identifying physical or mental condition(s) that limit a person's movements, senses, or activities. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/valueset-keyWord

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Descriptors and key terms for search |
| Definition | Word(s) used in an information retrieval system to indicate the content of the value set. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/questionnaire-readOnly

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Don't allow human editing |
| Definition | If true, the value cannot be changed by a human respondent to the Questionnaire. |
| Comments | The value of readOnly elements can be established by asserting extensions for defaultValues, linkages that support pre-population and/or extensions that support calculation based on other answers. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/questionnaire-hidden

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Don't display to user |
| Definition | If true, indicates that the containing group or question should not be displayed to the user for data entry. |
| Comments | If a group is hidden, all descendant content of the group is automatically hidden. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/valueset-label

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | e.g. "(a)", "1.", etc. |
| Definition | The label to list in front of a code when presenting a list of possible values in a questionnaire-like fashion. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/questionnaire-label

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | e.g. "1(a)", "2.5.3" |
| Definition | A label for a particular group or question within the questionnaire. |
| Comments | These are generally unique within a questionnaire, though this is not guaranteed. Some questionnaires may have multiple questions with the same label with logic to control which gets exposed. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/questionnaire-questionControl

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | e.g. Checkbox, Combo-box, Lookup, etc. |
| Definition | The type of data entry control that should be exposed to the user when capturing the answer to the question. |
| Comments | Different controls may be appropriate for different question data types. It is up to the system rendering a questionnaire as to what controls it will support and for which data types. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | User interface controls used for questionnaire questions |

## http://hl7.org/fhir/StructureDefinition/valueset-warning

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Extra warning about the correct use of the value set |
| Definition | An extra warning about the correct use of the value set. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/questionnaire-tooltip

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Fly-over or equivalent text |
| Definition | The content is intended for use in a fly-over or similar display mechanism - primarily intended for online form entry. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/questionnaire-instruction

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | How to populate group or question |
| Definition | The text provides instructions intended to be rendered with the element explaining how the content of the element is to be completed. This should be rendered in-line before the question or group. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/valueset-comment

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Human-specified notes and other documentation |
| Definition | Each comment is a time-stamped entry of arbitrary length that is not editable except by anyone in the author group. |
| **Extension.extension** |  |
| Name | content |
| Short name | Remarks or other text |
| Definition | Comments created about the value set. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| **Extension.extension** |  |
| Name | timestamp |
| Short name | When the comment was created |
| Definition | Time the comment was recorded. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/valueset-caseSensitive

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | If code is case sensitive |
| Definition | If this a case sensitive code. |
| Comments | See comments on ValueSet.codeSystem.caseSensitive. Systems should generally assume case sensitivity when dealing with expansions, and only consider case sensitivity when matching existing codes. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/questionnaire-deReference

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Implemented CDE |
| Definition | A reference to the Data Element that corresponds to the question text and answer constraints for this question. |
| Comments | If a code applies to a question, that code should still be conveyed on the question, even if the same code is also referenced as a DataElement.code in the referenced data element. This extension must not be used in place of specifying the Questionnaire.group.question.concept element. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/valueset-workflowStatus

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Indicates the state of development of the value set |
| Definition | Workflow Status is used to represent details of the value set development process while the value set has a status of Preliminary. The development of a value set often follows a formal workflow process from initiation to completion, and this element carries the state variable for this state machine. The assumption is that when first created a value set would have a workflow state of Draft. Additional workflow states may be used. |
| Comments | The values that this element may assume include phrases that capture various stages in review and approval. In addition to the minimum of ???Draft???, these include ???Proposed???, ???Approved???, ???Ready to Publish???. There may be additional states defined by different developers. This is an optional element because the use of Status ???Preliminary??? may be sufficient for some implementations.  I assume that the choice of status values will be harmonized with what is present in the final documentation. In the 2015May publication only Draft, Active and Retired appear. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/practitioner-primaryInd

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Indicator of primary specialty |
| Definition | Flag indicating if the specialty is the primary specialty of the provider. Normally, a practitioner will have one primary specialty, but in practice there may be exceptions. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/questionnaire-defaultValue

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Initial presumed answer for question |
| Definition | This is the value that should be pre-populated when rendering the questionnaire for user input. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/questionnaire-highRangeLabel

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Label for high end of slider |
| Definition | When a coded ordered value is selected from a range, indicates the label lifted to the right of the last value e.g. The "very satisfied" in "very unsatisfied 0 1 2 3 4 5 very satisfied". |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/questionnaire-lowRangeLabel

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Label for low end of slider |
| Definition | When a coded ordered value is selected from a range, indicates the label lifted to the left of the first valuee.g. The "very unsatisfied" in "very unsatisfied 0 1 2 3 4 5 very satisfied". |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/patient-mpi-match

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | MPI assessment of patient match outcome |
| Definition | The Master Patient Index (MPI) assessment of whether a candidate patient record is a match or not. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | A Master Patient Index (MPI) assessment of whether a candidate patient record is a match or not |

## http://hl7.org/fhir/StructureDefinition/questionnaire-deMap

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Map linking questions to DataElements |
| Definition | Identifies a map that links the questionnaire (source) to a DataElement server and identifies which questions correspond to which data elements (by linkId and local identifier, respectively). |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/questionnaire-maxOccurs

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Maximum repetitions |
| Definition | The maximum number of times the group must appear or the minimum number of answers for a question - when greater than 1 and not unlimited. |
| Comments | Only relevant if the element has repeats=true and there is a need to constrain the number of allowed repetitions. |
| Constraint Text | maxOccurs cannot be more than one if repeats is false |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/questionnaire-minOccurs

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Minimum repetitions |
| Definition | The minimum number of times the group must appear or the minimum number of answers for a question - when greater than 1. |
| Comments | Default assumption for "required" elements is minOccurs=1. |
| Constraint Text | minOccurs cannot be more than one if required is false |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/patient-mothersMaidenName

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Mother's Maiden name |
| Definition | Mother's maiden (unmarried) name, commonly collected to help verify patient identity. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/patient-citizenship

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Nation(s) where the patient claims citizenship |
| Definition | The patient's legal status as citizen of a country. |
| **Extension.extension** |  |
| Name | code |
| Short name | Nation code of citizenship |
| Definition | Nation code representing the citizenship of patient. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| **Extension.extension** |  |
| Name | period |
| Short name | Time period of citizenship |
| Definition | Period when citizenship was effective. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/patient-nationality

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Nationality |
| Definition | The nationality of the subject. |
| **Extension.extension** |  |
| Name | code |
| Short name | Nationality Code |
| Definition | Code representing nationality of patient. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| **Extension.extension** |  |
| Name | period |
| Short name | Nationality Period |
| Definition | Period when nationality was effective. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/questionnaire-maxLength

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | No more than this many characters |
| Definition | The maximum number of characters that must be present in the simple data type to be considered a "valid" instance. |
| Comments | For base64binary, reflects the number of characters representing the encoded data, not the number of bytes of the binary data. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/valueset-oid

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | OID assigned to the value set or code system |
| Definition | The OID assigned the same object as the URI points to. Examples include OIDs assigned to code systems like SNOMED CT (urn:oid:2.16.840.1.113883..6.96) or LOINC (urn:oid:2.16.840.1.113883.6.1), value sets like AdministrativeGender (urn:oid:2.16.840.1.113883.11.1), identification systems like SSN (urn:oid:2.16.840.1.113883.4.1) etc. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/questionnaire-enableWhen

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Only allow data when: |
| Definition | If present, indicates that the group or question containing the extension should only be enabled (allow an answer to be present and, in most circumstances, be visible to the user) when the specified condition is true. |
| Comments | If multiple repetitions of this extension are present, the question or group should be displayed when the condition for \*any\* of the repetitions is true i.e. Treat "enableWhen"s as being joined by an "or" clause. |
| **Extension.extension** |  |
| Name | question |
| Short name | Question that must be answered |
| Definition | The linkId for the question whose answer (or lack thereof) governs whether the question is enabled. |
| Comments | If multiple question occurrences are present for the same question (same linkId), then this refers to the nearest question occurrence reachable by tracing first the "ancestor" axis and then the "preceding" axis and then the "following" axis. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| **Extension.extension** |  |
| Name | answered |
| Short name | when answered or not |
| Definition | If present, allows the assertion to control whether the item is enabled when the question is answered or is unanswered. |
| Comments | If answered=false and answer values are also provided, then they are treated as "or" i.e. "Enable if the question is unanswered or the answer is one of the specified values". If answered=true and answers are present, one of the specified answers must be met (so there's little reason to specify answered=true if answers are present). |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| **Extension.extension** |  |
| Name | answer |
| Short name | Value question must have |
| Definition | If present, the specified question must match the specified answer for all components present in the enableWhen.answer. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/patient-cadavericDonor

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Post-mortem donor status |
| Definition | Flag indicating whether the patient authorized the donation of body parts after death. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/valueset-trusted-expansion

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Reference to a trusted expansion |
| Definition | Indicates an authoritative source for performing value set expansions. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/questionnaire-security

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Security/privacy rules governing group/question |
| Definition | The text describes specific security and/or privacy considerations associated with the element e.g. retention rules, data access control expectations, etc. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/patient-importance

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Special status given the patient |
| Definition | The importance of the patient (e.g. VIP). |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/questionnaire-trailing

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Text to display after group/question content |
| Definition | The text should be displayed after all of the other the content of the group or question. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/questionnaire-help

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Text to display if help invoked on group/question |
| Definition | The content is intended for display if a user selects an icon or performs some other action seeking help about the element. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/practitioner-animalSpecies

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | The Species of the Service Animal |
| Definition | This extension should be used to specify that a practitioner or RelatedPerson resource is a service animal. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | The species of animal |

## http://hl7.org/fhir/StructureDefinition/patient-adoptionInfo

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | The adoption status of the patient |
| Definition | Code indication the adoption status of the patient. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/valueset-unclosed

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | The expansion is incomplete |
| Definition | Marks that the expansion is incomplete, and other values than those listed may be valid. |
| Comments | Some value sets are open by their definition - e.g. SNOMEDCT value sets that allow post-coordination. In these cases a server may be able to expand a list but it will not be comprehensive. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/patient-clinicalTrial

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | The patient's participation in clinical trials |
| Definition | The clinical trials this patient has or is participating in. |
| **Extension.extension** |  |
| Name | NCT |
| Short name | National Clinical Trial number |
| Definition | The National Clinical Trial number. The format for the US ClinicalTrials.gov registry number is NCT followed by an 8-digit number, e.g. NCT00000419. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| **Extension.extension** |  |
| Name | period |
| Short name | The period of participation in the clinical trial |
| Definition | The start and end times of the participation of this patient in the clinical trial. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| **Extension.extension** |  |
| Name | reason |
| Short name | The reason for participation in the clinical trial |
| Definition | The indication or reason the patient is part of this trial. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/patient-birthTime

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Time of day of birth |
| Definition | The time of day that the Patient was born. This includes the date to ensure that the time-zone information can be communicated effectively. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/questionnaire-units

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Unit of measure for question |
| Definition | Identifies the units in which the question's answer should be captured. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/valueset-reference

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | URL of value set the code was chosen from |
| Definition | A logical reference (e.g. a reference to ValueSet.url) that identifies the value set/version of possible coded values this coding was chosen from or constrained by. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/valueset-author

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | User or Organisation actually involved in creating the value set content |
| Definition | User or Organisation actually involved in creating the value set content. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/valueset-expansionSource

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | ValueSet definition used to generate this expansion (logical URL) |
| Definition | The logical URL of the ValueSet definition that was used to generate this expansion. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/valueset-history

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | What has happened over time |
| Definition | Information on changes made to the value set definition over time, and a contained audit trail of all such changes. |
| **Extension.extension** |  |
| Name | name |
| Short name | The name of this set of history entries |
| Definition | Label for a set of entries, such as a version. |
| Comments | Typically, a value set will have a set of history entries for each major publication milestone. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| **Extension.extension** |  |
| Name | revision |
| Short name | Audit of all changes for a history entry |
| Definition | A list of specific changes, who made them and when. |
| **Extension.extension.extension** |  |
| Name | date |
| Short name | Date the change was made |
| Definition | Date the change took place. |
| **Extension.extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.extension.url** |  |
| **Extension.extension.extension.value[x]** |  |
| **Extension.extension.extension** |  |
| Name | id |
| Short name | Version marker after the change was made |
| Definition | Unique id for the specific change. |
| **Extension.extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.extension.url** |  |
| **Extension.extension.extension.value[x]** |  |
| **Extension.extension.extension** |  |
| Name | author |
| Short name | Who made the change |
| Definition | Person or device responsible for the change. |
| **Extension.extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.extension.url** |  |
| **Extension.extension.extension.value[x]** |  |
| **Extension.extension.extension** |  |
| Name | notes |
| Short name | Information about the change |
| Definition | Description of exactly what was changed and how. |
| **Extension.extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.extension.url** |  |
| **Extension.extension.extension.value[x]** |  |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/questionnaire-category

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | What kind of questionnaire? |
| Definition | A code that identifies the questionnaire as falling into a particular group of like questionnaires e.g. "Pediatric", "Admissions", "Research", "Demographic", "Opinion Survey", etc. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | Classifications for questionnaires. Can include such concepts as "intake form", "opinion survey", "clinical research questionnaire", "pediatric", etc. |

## http://hl7.org/fhir/StructureDefinition/valueset-effectiveDate

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | When the value set version becomes Active and is available for use |
| Definition | This is the first timestamp when the value set version becomes active, so this value is present on Inactive value set versions as well. The start timestamp is expected to be as of 0001 UTC of the Effective Date. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/valueset-expirationDate

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | When the value set version should no longer be used |
| Definition | The timestamp from when the value set version is no longer expected to be used to create new content. This is the first timestamp when the value set version becomes Inactive, so this value MUST present on all Inactive value set versions. The start timestamp is expected to be as of 0001 UTC of the ExpirationDate. |
| Comments | Upon reaching the ExpirationDate, the value set status should be considered as inactive. An Inactive value set version may no longer be used to create new content, but it may be used to evaluate content created prior to the ExpirationDate. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/valueset-sourceReference

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Where this content came from |
| Definition | This text is intended to act as a citation to work done elsewhere that is not part of the current stewarding process where the referenced source is in some way a basis of the current value set definition. |
| Comments | This is not intended to be a direct link to another value set. It is only intended to support a link or textual description that indicates related material for the value set. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/valueset-systemRef

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Where to find code system |
| Definition | The formal URI for the code system. I.e. ValueSet.codeSystem.system (or its equivalent). |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/valueset-deprecated

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Whether the concept has been deprecated |
| Definition | Set to true of the concept has been deprecated (still can be used, but soon to be withdrawn). |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/patient-interpreterRequired

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Whether the patient needs an interpreter |
| Definition | This Patient requires an interpreter to communicate healthcare information to the practitioner. |
| Comments | The Patient does not speak the default language of the organization, and hence requires an interpreter. If the Patient has other languages in the Communication list, then that would be the type of interpreter required. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/questionnaireresponse-author

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Who answered question/group |
| Definition | Allows capturing, on a specific question or group of questions, exactly who was responsible for providing the answer(s). |
| Comments | This should be drawn from one of the resources identified as an author of the QuestionnaireResponse overall. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/valueset-usage

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Who has used and how |
| Definition | Consumers of the value set and the implementations, projects or standards that the author has utilized the value set in. |
| Comments | This is likely to be a snapshot view and should not be considered an authoritative listing of all uses of the value set. |
| **Extension.extension** |  |
| Name | user |
| Short name | A consumer of or client for the value set |
| Definition | This is most likely to be an organization but can be an individual. It would not be a program, that information should be recorded in the usage.use. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| **Extension.extension** |  |
| Name | use |
| Short name | Implementation/project/standard that uses value set |
| Definition | A descriptive name of the project or standard in which the value set is used. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/questionnaireresponse-reviewer

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Who verified completion of the Questionnaire |
| Definition | Individual responsible for ensuring that the questionnaire response have been completed appropriately and signs off on the content. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/questionnaire-choiceOrientation

|  |  |
| --- | --- |
| **Extension** | Extension |
| Definition | Identifies the desired orientation when rendering a list of choices (typically radio-box or check-box lists). |
| Comments | Systems may choose to wrap answers rather than attempting to display them all in one row or column. Language conventions may determine the order in which the choices are listed (left-to-right or right-to-left, etc.). |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | Direction in which lists of question options should be displayed |

# Clinical Genomics

## http://hl7.org/fhir/StructureDefinition/geneticsAlleleName

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | AlleleName |
| Definition | Common name for variant or gene allele. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/geneticsAllelicFrequency

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | AllelicFrequency |
| Definition | Allele frequencies. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/geneticsAllelicState

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | AllelicState |
| Definition | The level of occurrence of a single DNA Sequence Variation within a set of chromosomes. Heterozygous indicates the DNA Sequence Variation is only present in one of the two genes contained in homologous chromosomes. Homozygous indicates the DNA Sequence Variation is present in both genes contained in homologous chromosomes. Hemizygous indicates the DNA Sequence Variation exists in the only single copy of a gene in a non- homologous chromosome (the male X and Y chromosome are non-homologous). Hemiplasmic indicates that the DNA Sequence Variation is present in some but not all of the copies of mitochondrial DNA. Homoplasmic indicates that the DNA Sequence Variation is present in all of the copies of mitochondrial DNA. Here is the LOINC answer List for Allelic state:1. Heteroplasmic (LA6703-8); 2. Homoplasmic (LA6704-6); 3. Homozygous (LA6705-3); 4. Heterozygous (LA6706-1); 5. Hemizygous (LA6707-9). |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/geneticsAssessedCondition

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | AssessedCondition |
| Definition | Used to denote condition context for genetic testing, which may influence reported variants and interpretation for large genomic testing panels e.g. lung cancer or familial breast cancer. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/geneticsCIGAR

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | CIGAR |
| Definition | Extended CIGAR string for aligning the sequence with reference bases. See detailed documentation [here](http://support.illumina.com/help/SequencingAnalysisWorkflow/Content/Vault/Informatics/Sequencing\_Analysis/CASAVA/swSEQ\_mCA\_ExtendedCIGARFormat.htm). |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/geneticsChromosome

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Chr |
| Definition | The chromosome containing the genetic finding. The value set binds to NCBI-Gene code system. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/geneticsCopyNumberEvent

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | CopyNumberEvent |
| Definition | Values: amplification/deletion/LOH. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/geneticsDNASequenceVariationType

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | DNAvariantType |
| Definition | Codified type for associated DNA Sequence Variation. DNA Sequence Variations use the HGVS notation which implies the DNA Sequence Variation Type, but the concurrent use of this code will allow a standard and explicit type for technical and display convenience. LOINC Answer List values 48019-4 or Sequence Ontology values. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/geneticsGene

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Gene |
| Definition | Gene region in which the sequence is found. Currently values from HGNC are supported. Other systems or genes not defined in HGNC (e.g. BCR-ABL fusion gene) can be added by using local extension. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/family-member-history-genetics-observation

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Genetic markers, ethnicity, etc. |
| Definition | Allows capturing risk-relevant observations about the relative that aren't themselves a specific health condition. E.g. Certain ethnic ancestries that are disease-relevant, presence of particular genetic markers, etc. |
| Comments | This may be extended with additional genomics-specific resources when they are ready. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/geneticsGenomeBuild

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Genome Build |
| Definition | The Genome Build used for reference, following GRCh build versions e.g. 'GRCh 37'. Version number must be included if a versioned release of a primary build was used. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/geneticsGenomicSourceClass

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | GenomicSource |
| Definition | Genomic source class means category of source of tissue sample used to determine the sequence. Here is the LOINC answer List for Allelic state:1. Germline LA6683-2; 2. Somatic LA6684-0; 3. Prenatal LA6685-7; 4. Likely Germline LA18194-3; 5. Likely Somatic LA18195-0; 6. Likely Prenatal LA18196-8; 7. Unknown Genomic Origin LA18197-6. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/geneticsGenomicStart

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | GenomicStart |
| Definition | Inclusive 0-based nucleotide position for start of genomic finding on the positive (+) genomics strand. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/geneticsGenomicStop

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | GenomicStop |
| Definition | Exclusive 0-based nucleotide position for end of genomic finding on the positive (+) genomic strand. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/geneticsDNASequenceVariation

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | HGVSdnaVariant |
| Definition | cDNA variant following HGVS nomenclature on the given TranscriptReferenceSequenceId. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/geneticsAminoAcidChange

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | HGVSproteinChange |
| Definition | Protein variant following HGVS nomenclature on the given ProteinReferenceSequenceId. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/family-member-history-genetics-parent

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Mother(s) & Father(s) - genetic & other |
| Definition | Identifies a parent of the relative. |
| Comments | Some individuals may have more than two parents (e.g. genetic vs. adoptive parents). Even non-genetic relationships can be relevant in terms of genetic exposure. |
| **Extension.extension** |  |
| Name | type |
| Definition | Distinguishes between different types of parental relationships with varying granularity to support capturing the relationship "to the degree known". |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| Binding Description | Parental relationship types |
| **Extension.extension** |  |
| Name | identifier |
| Short name | Link to parent relative(s) |
| Definition | Points to the FamilyMemberHistory record of the relation who is the parent of this relation. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/geneticsObservedAllele

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | ObsAllele |
| Definition | Observed nucleotides from genomic start to genomic stop on the positive (+) genomic strand. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/geneticsAminoAcidChangeType

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | ProteinChangeType |
| Definition | Type of variation expressed using Sequence Ontology or LOINC Answer List 48006-1. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/geneticsProteinReferenceSequenceId

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | ProteinReferenceSeq |
| Definition | Reference identifier for protein transcript, with version, from NCBI's RefSeq or ENSEMBL. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/geneticsReadCoverage

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | ReadCoverage |
| Definition | Coverage (read depth or depth) is the average number of reads representing a given nucleotide in the reconstructed sequence. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/geneticsReferenceAllele

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | RefAllele |
| Definition | Nucleotide(s) from genomic start to genomic stop on the positive (+) strand of the genomic reference sequence. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/geneticsDNARegionName

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | RegionName |
| Definition | Details of exonic location of variant (e.g. Exon 1). |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/geneticsResult

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Result |
| Definition | Results from genetic profile (e.g. one gene mutation with one type variation observed in a patient). It makes genetic profile support various genetic test (e.g. a genetic test reporting a list of gene mutations). |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/geneticsSpecies

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Species |
| Definition | supports testing of human, viruses, and bacteria. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/geneticsTranscriptReferenceSequenceId

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | TransReferenceSeqID |
| Definition | Reference identifier for cDNA transcript, with version, from NCBI's RefSeq or ENSEMBL. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/geneticsVariationId

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | VariantId |
| Definition | Identifier for variant. If a germline variant, ClinVar or dbSNP identifier should be used. If a somatic variant, COSMIC identifier should be used, unless in ClinVar then either maybe used. Need to provide the code system used (ClinVar, dbSNP, COSMIC). |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

# Clinical Quality Information - QICore

# Electronic Health Record

## http://hl7.org/fhir/StructureDefinition/ehrsrle-auditevent-policy

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Policy or plan the activity was defined by |
| Definition | Policy or plan the event was defined by. Typically, a single event may have multiple applicable policy documents, such as patient consent, guarantor funding, etc. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/ehrsrle-auditevent-reason

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Reason activity is occurring |
| Definition | The reason that the activity was taking place. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | Indicates the why the event occurred |

## http://hl7.org/fhir/StructureDefinition/ehrsrle-auditevent-location

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Where the activity occurred, if relevant |
| Definition | The physical location of the event (e.g. Building, room, etc.). |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

# FHIR Infrastructure

## http://hl7.org/fhir/StructureDefinition/styleSensitive

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Specifies whether styles are important for processing |
| Definition | Indicates that the style extensions in this resource are essential to the interpretation of the styled text and that rendering without the style risks losing essential information. |
| Comments | If set to true, all systems that claim to support this extension and which render elements of the resource containing this extension SHALL either render the content as required by the style extensions defined by this profile that are present in the resource or SHALL (if safe to do so based on their own rules), omit entirely the styled content they cannot render in accordance with the extensions. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/minLength

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | At least this many characters |
| Definition | The minimum number of characters that must be present in the simple data type to be considered a "valid" instance. |
| Comments | For base64binary, reflects the number of characters representing the encoded data, not the number of bytes of the binary data. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/data-absent-reason

|  |  |
| --- | --- |
| **Extension** | Extension |
| Definition | Provides a reason why the expected value or elements in the element that is extended are missing. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | Used to specify why the normally expected content of the data element is missing |

## http://hl7.org/fhir/StructureDefinition/style

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Html style value |
| Definition | Identifies how the specified element should be rendered when displayed. |
| Comments | This extension would be equivalent to setting the HTML "style" attribute on the root element for the element containing the extension. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/maxSize

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Max size in MB |
| Definition | For attachment answers, indicates the maximum size an attachment can be. |
| Comments | This extension only has meaning if the element has a type of Attachment. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/maxDecimalPlaces

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Maximum digits after decimal |
| Definition | Identifies the maximum number of decimal places that may be specified for the data element. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/maxValue

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Must be less than or equal to this value |
| Definition | The inclusive upper bound on the range of allowed values for the data element. |
| Comments | Data type specified must be the same as the data type for the data element. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/minValue

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Must be greater than or equal to this value |
| Definition | The inclusive lower bound on the range of allowed values for the data element. |
| Comments | Data type specified must be the same as the data type for the data element. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/birthPlace

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Place of Birth for patient |
| Definition | The registered place of birth of the patient. A system may use Address.text if they do not store the birthPlace address in discrete elements. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/regex

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Regular expression pattern |
| Definition | A regular expression that defines the syntax for the data element to be considered valid. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/markup

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | String equivalent with html markup |
| Definition | This is an equivalent of the string on which the extension is sent, but includes additional XHTML markup, such as bold, italics, styles, tables, etc. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/body-site-instance

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Target anatomic location or structure |
| Definition | Record details about the anatomical location of a specimen or body part. This resource may be used when a coded concept does not provide the necessary detail needed for the use case. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/mimeType

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Type of attachment |
| Definition | Identifies the kind(s) of attachment allowed to be sent for an element. |
| Comments | This extension only has meaning if the element has a type of Attachment. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | The mime type of an attachment. Any valid mime type is allowed |

## http://hl7.org/fhir/StructureDefinition/entryFormat

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | User prompt for format |
| Definition | Syntax intended for display to the user to guide their input (i.e. a human readable version of a regular expression). For example "nnn-nnn-nnn". |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

# Modeling and Methodology

## http://hl7.org/fhir/StructureDefinition/iso21090-AD-use

|  |  |
| --- | --- |
| **Extension** | Extension |
| Definition | Uses of Addresses - codes not defined as part of Address.use. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | Uses of an address not included in Address.use |

## http://hl7.org/fhir/StructureDefinition/iso21090-EN-qualifier

|  |  |
| --- | --- |
| **Extension** | Extension |
| Definition | A set of codes each of which specifies a certain subcategory of the name part in addition to the main name part type. |
| Comments | Used to indicate additional information about the name part and how it should be used. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | A set of codes each of which specifies a certain subcategory of the name part in addition to the main name part type |

## http://hl7.org/fhir/StructureDefinition/iso21090-nullFlavor

|  |  |
| --- | --- |
| **Extension** | Extension |
| Definition | If the value is not a proper value, indicates the reason. |
| Comments | Considerable care must be used when using nullFlavor in this context of FHIR - more than any other concept, this is tied to the way v3 works, and FHIR is quite different. For instance, there is no notion of a "proper value" as opposed to any other value in FHIR. a nullFlavor should be understood to mean, "why information is missing", and nullFlavor OTH, NINF, PINF, and TRC should not be used. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | A collection of codes specifying why a valid value is not present |

## http://hl7.org/fhir/StructureDefinition/iso21090-CO-value

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Numerical value associated with the code |
| Definition | A numerical value associated with the coded ordinal value. |
| Comments | This extension can only be used if the code system explicitly assigns a value to the concept. The value may be constrained to an integer in some contexts of use. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/iso21090-uncertaintyType

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Probability Distribution Type for uncertainty |
| Definition | A code specifying the type of probability distribution for the uncertainty. |
| Comments | This is only meaningful if there is also an uncertainty extension. If there is and uncertainty extension with no type, this means that the probability distribution type is unknown. In that case, the uncertainty has the meaning of an informal guess. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | Codes specifying the type of probability distribution |

## http://hl7.org/fhir/StructureDefinition/iso21090-TEL-address

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | RFC 3966 compliant telephone of fax number |
| Definition | A V3 compliant, RFC 3966 conformant URI version of the telephone or fax number. |
| Comments | Note that this form is supposed to be used in CDA, but many CDA documents are not actually conformant. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/iso21090-uncertainty

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Standard Deviation (same units as the quantity) |
| Definition | The primary measure of variance/uncertainty of the value (the square root of the sum of the squares of the differences between all data points and the mean). |
| Comments | standardDeviation has the same units as the quantity. It is used to normalize the data for computing the distribution function. Applications that cannot deal with probability distributions can still get an idea about the confidence level by looking at standardDeviation. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/iso21090-ADXP-additionalLocator

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | additionalLocator |
| Definition | This can be a unit designator, such as apartment number, suite number, or floor. There may be several unit designators in an address (e.g., "3rd floor, Appt. 342"). This can also be a designator pointing away from the location, rather than specifying a smaller location within some larger one (e.g., Dutch "t.o." means "opposite to" for house boats located across the street facing houses). |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/iso21090-ADXP-buildingNumberSuffix

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | buildingNumberSuffix |
| Definition | Any alphabetic character, fraction or other text that may appear after the numeric portion of a building number. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/iso21090-ADXP-careOf

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | careOf |
| Definition | The name of the party who will take receipt at the specified address, and will take on responsibility for ensuring delivery to the target recipient. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/iso21090-ADXP-censusTract

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | censusTract |
| Definition | A geographic sub-unit delineated for demographic purposes. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/iso21090-SC-coding

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | code for string |
| Definition | Provides a coded expression for the content represented in a string. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | A coded representation for a string. Could be codes for country in a country address part, codes for prefixes in a name part, etc. |

## http://hl7.org/fhir/StructureDefinition/iso21090-ADXP-county

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | county |
| Definition | A sub-unit of a state or province. (49 of the United States of America use the term "county;" Louisiana uses the term "parish".). |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/iso21090-ADXP-delimiter

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | delimiter |
| Definition | Delimiters are printed without framing white space. If no value component is provided, the delimiter appears as a line break. |
| Comments | There is no rationale for use in FHIR. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/iso21090-ADXP-deliveryAddressLine

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | deliveryAddressLine |
| Definition | A delivery address line is frequently used instead of breaking out delivery mode, delivery installation, etc. An address generally has only a delivery address line or a street address line, but not both. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/iso21090-ADXP-deliveryInstallationArea

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | deliveryInstallationArea |
| Definition | The location of the delivery installation, usually a town or city, and is only required if the area is different from the municipality. Area to which mail delivery service is provided from any postal facility or service such as an individual letter carrier, rural route, or postal route. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/iso21090-ADXP-deliveryInstallationQualifier

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | deliveryInstallationQualifier |
| Definition | A number, letter or name identifying a delivery installation e.g. for Station A, the delivery installation qualifier would be 'A'. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/iso21090-ADXP-deliveryInstallationType

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | deliveryInstallationType |
| Definition | Indicates the type of delivery installation (the facility to which the mail will be delivered prior to final shipping via the delivery mode.) e.g. post office, letter carrier depot, community mail center, station, etc. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/iso21090-ADXP-deliveryMode

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | deliveryMode |
| Definition | Indicates the type of service offered, method of delivery e.g. post office box, rural route, general delivery, etc. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/iso21090-ADXP-deliveryModeIdentifier

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | deliveryModeIdentifier |
| Definition | Represents the routing information such as a letter carrier route number. It is the identifying number of the designator (the box number or rural route number). |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/iso21090-ADXP-direction

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | direction |
| Definition | Direction (e.g., N, S, W, E). |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/iso21090-ADXP-houseNumber

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | houseNumber |
| Definition | The number of a building, house or lot alongside the street. Also known as "primary street number". This does not number the street but rather the building. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/iso21090-ADXP-houseNumberNumeric

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | houseNumberNumeric |
| Definition | The numeric portion of a building number. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/iso21090-ST-language

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | language |
| Definition | The language in which the string is expressed. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | A human language |

## http://hl7.org/fhir/StructureDefinition/iso21090-ADXP-postBox

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | postBox |
| Definition | A numbered box located in a post station. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/iso21090-ADXP-precinct

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | precinct |
| Definition | A subsection of a municipality. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/iso21090-preferred

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | preferred |
| Definition | Flag denoting whether parent item is preferred - e.g. a preferred address or telephone number. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/iso21090-ADXP-streetAddressLine

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | streetAddressLine |
| Definition | A street address line is frequently used instead of breaking out build number, street name, street type, etc. An address generally has only a delivery address line or a street address line, but not both. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/iso21090-ADXP-streetName

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | streetName |
| Definition | streetName. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/iso21090-ADXP-streetNameBase

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | streetNameBase |
| Definition | The base name of a roadway or artery recognized by a municipality (excluding street type and direction). |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/iso21090-ADXP-streetNameType

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | streetNameType |
| Definition | The designation given to the street (e.g. Street, Avenue, Crescent, etc.). |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/iso21090-ST-translation

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | translation |
| Definition | An expression of the original string in an alternate language. |
| Comments | string-translation elements should not have string-translation extensions (i.e. all translations should be expressed as siblings, not as a translation hierarchy) to simplify processing. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/iso21090-ADXP-unitID

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | unitID |
| Definition | The number or name of a specific unit contained within a building or complex, as assigned by that building or complex. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/iso21090-ADXP-unitType

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | unitType |
| Definition | Indicates the type of specific unit contained within a building or complex e.g. Apartment, Floor. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/iso21090-verification

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | verification |
| Definition | Method value was verified. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | A list of verification methods |

# Orders and Observations - Structured Data Capture

# Orders and Observations - US Lab

# Orders and Observations

## http://hl7.org/fhir/StructureDefinition/11179-de-contact-address

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | How to mail contact |
| Definition | Postal address for a contact for the data element. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/11179-de-is-data-element-concept

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Indicates that the code is the DEC for the data element |
| Definition | If true, indicates that the specified coding corresponds to the data element concept for the data element. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/11179-permitted-value-conceptmap

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Mapping from permitted to transmitted |
| Definition | Expresses the linkage between the internal codes used for storage and the codes used for exchange. |
| Comments | The permitted value set must have a 1..1 set of codes for each code in the value meaning value set. The source for the concept map is the value set the extension appears on. The target is the permitted-value-valueset. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/11179-objectClass

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Object Class |
| Definition | A concept that represents a set of ideas, abstractions, or things in the real world that can be identified with explicit boundaries and meaning and whose properties and behavior follow the same rules. It may be either a single or a group of associated concepts, abstractions, or things. |
| Comments | ObjectClass and Property are treated as a data model that can be mapped to like any other. This extension merely captures the ObjectClass element as a discrete code. The information conveyed here should also be conveyed in human-readable form in the mapping.map element. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | A concept that represents a set of ideas, abstractions, or things in the real world that can be identified with explicit boundaries and meaning and whose properties and behavior follow the same rulese.g. Person, Prescription, Encounter, etc. |

## http://hl7.org/fhir/StructureDefinition/11179-objectClassProperty

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Object Class Property |
| Definition | A quality common to all members of an object class. A property may be any feature that humans naturally use to distinguish one individual object from another. It is the human perception of a single quality of an object class in the real world. It is conceptual and thus has no particular associated means of representation by which the property can be communicated. |
| Comments | ObjectClass and Property are treated as a data model that can be mapped to like any other. This extension merely captures the Property element as a discrete code. The information conveyed here should also be conveyed in human-readable form in the mapping.map element. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | A quality common to all members of an object class. A property may be any feature that humans naturally use to distinguish one individual object from another. It is the human perception of a single quality of an object class in the real world e.g. name, identifier, gender, creationDate |

## http://hl7.org/fhir/StructureDefinition/11179-de-registry-org

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Organization responsible for registry |
| Definition | The organization that is the custodian for this data element. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/11179-permitted-value-valueset

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Permitted values |
| Definition | Allows expressing the value set that must be stored internally by the system (as distinct from the base value set which defines values for exchange). |
| Comments | The permitted value set must have a 1..1 set of codes for each code in the value meaning value set. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/11179-de-document-reference

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Pointer to document related to data element |
| Definition | Identifies a document that conveys some sort of information related to the data element. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/11179-de-administrative-status

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Status of internal processing |
| Definition | Identifies internal processing status for the data element e.g. "Under review". |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | Codes identifying the position of the data element within its administrative life-cycle e.g. include awaiting review, conditionally approved, scheduled for release, etc. |

## http://hl7.org/fhir/StructureDefinition/11179-de-change-description

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | What has changed since the last "business" version |
| Definition | Summarizes changes to the data element since the previous version. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/11179-de-effective-period

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | When data element is "valid" |
| Definition | Identifies the date on which the element became (or is expected to become) active and the date on which the element became (or is expected to become) retired. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/11179-de-submitter-org

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Who submitted data element to registry |
| Definition | Organization responsible for submitting the data element to its registry. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/11179-de-classification-or-context

|  |  |
| --- | --- |
| **Extension** | Extension |
| Definition | Whether the useContext is a true context or a classification. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | Identifies whether a useContext represents a context or classification for the element |

# Pharmacy

## http://hl7.org/fhir/StructureDefinition/pharmacy-core-rateIncrement

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Change in dosing rate per interval |
| Definition | Change in the dosing rate applied each rateIncrementInterval, e.g. 20 mL/hour. The rate increment is usually an increase for a patient who is initiating tube feeding. The increase is continued until the maxDeliveryRate or rateGoal is reached. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/pharmacy-core-refillsRemaining

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Number of refills allowed |
| Definition | Number of refills allowed or remaining after a dispensing event. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/pharmacy-core-infuseOver

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | The length of the infusion |
| Definition | For infused medications, the length of time the infusion process, as a duration. Note the difference between infuseOver and duration of treatment (specified in administrationFrequency) e.g. an order may call for infusing a patient TID for an hour each time over a duration of 5 days. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/pharmacy-core-maxDeliveryVolume

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | The maximum amount of fluid to infuse |
| Definition | The maximum volume of fluid to administer to a patient. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/pharmacy-core-maxDeliveryRate

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | The maximum rate of substance administration |
| Definition | The maximum rate of substance administration. For volume medications, the maximum rate is to be expressed as a volume per time period. This value may be used as a stopping condition when a deliveryRateIncrement is specified without a count. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/pharmacy-core-minDosePerPeriod

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | The minimum quantity of substance per period |
| Definition | The minimum total quantity of a therapeutic substance that may be administered to a subject over the period of time e.g. 10 mg in 24 hours. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/pharmacy-core-rateIncrementInterval

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | The period of time between rate increments |
| Definition | Period of time after which the rate increment should be attempted e.g. 4 hours. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/pharmacy-core-rateGoal

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | The target rate for the infusion |
| Definition | The target rate to reach for this infusion. Note that deliveryRateGoal is typically less than the maximum delivery rate which is the rate not to exceed e.g for enteral feeding orders, a target tube feeding rate of 75ml/hour may be specified. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/pharmacy-core-doseType

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | The type of dose e.g. loading. |
| Definition | The type of dose e.g. initial, maintenance, loading. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

# US Realm Steering Committee

## http://hl7.org/fhir/StructureDefinition/us-core-ethnicity

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | A category of human sharing heritage |
| Definition | A code classifying the person into a named category of humans sharing a common real, or presumed, heritage. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | A code classifying the person into a named category of humans sharing a common real, or presumed, heritage. |

## http://hl7.org/fhir/StructureDefinition/us-core-race

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | A category of humans sharing history, origin or nationality |
| Definition | A code classifying the person into a named category of humans sharing common history, traits, geographical origin or nationality. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | A code classifying the person into a named category of humans sharing common history, traits, geographical origin or nationality. |

## http://hl7.org/fhir/StructureDefinition/us-core-direct

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Email is a "direct" email |
| Definition | This email address is associated with a "direct" service - e.g. http://wiki.directproject.org/Addressing+Specification. |
| Comments | This extension can only be used on contact points where the system = 'email'. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/us-core-county

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Name of county |
| Definition | Name of county. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/us-core-religion

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Patient's professed religious affiliation |
| Definition | A code classifying a person's professed religion. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | A code classifying a person's professed religion |

## http://hl7.org/fhir/StructureDefinition/us-core-concernStatus

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | The status of a Concern associated with a condition |
| Definition | This communicates the status of the Concern associated with a condition. Values can be Active/Inactive/Resolved. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

# Health Level Seven, Inc / openEHR project

## http://hl7.org/fhir/StructureDefinition/openEHR-administration

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Actual medication record, if known |
| Definition | Link to an actual medication administration record with the full details of the administration, if one is known. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/openEHR-exposureDuration

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Amount of time individual was exposed to Substance |
| Definition | The amount of time the individual was exposed to the Substance. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/openEHR-location

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Body site of manifestations |
| Definition | The anatomical location / body site(s) where the symptoms manifested. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | Codes describing anatomical locations. May include laterality |

## http://hl7.org/fhir/StructureDefinition/openEHR-management

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Clinical Management Description |
| Definition | Text description about the clinical management provided. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/openEHR-careplan

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Clinical Management Details |
| Definition | Additional details about the clinical management provided for this Reaction Event. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/openEHR-exposureDate

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Timestamp of first exposure to Substance |
| Definition | Record of the date and/or time of the first exposure to the Substance for this Reaction Event. |
| Comments | Exposure can be more complicated by more than one exposure events leading to a reaction. Further details about the nature of the exposure can be provided in additional extensions, or as text in the Exposure Description extension. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/openEHR-test

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Observations that confirm or refute |
| Definition | Observations that confirm or refute the risk and/or the substance. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/openEHR-exposureDescription

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Text description about exposure to the Substance |
| Definition | Text description about exposure to the Substance. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

# Health Level Seven, Inc. - CDS WG

# Health Level Seven, Inc. - Clinical Quality Information WG

# Health Level Seven, Inc. - FHIR Core WG

## http://hl7.org/fhir/StructureDefinition/datadictionary

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Associates the structure definition with a collection of Data Elements |
| Definition | This extension associates a structure definition with a data dictionary - a collection of data elements that any instance of data that conforms to the structure definition must also conform to. The value of the extension is a uri that defines a query that identifies the collection of relevant data elements. This extension can be used on any structure definition that is a constraint on the resource types Observation and Questionnaire. The profile specifies which elements are mandatory etc, but any elements in a resource that conforms to the structure definition must also conform to one of the defined data elements. For Observation: \* Observation.code must be associated with a matching Data Element by DataElement.code \*. The structure definition should bind Observation.code to a value set that has the same codes as the collection of data elements (though it can be narrower) \* the units and the quantity value should conform to the rules laid down in the matching Data Element. For Questionnaire: \* todo. |
| Comments | The query can select a set of data element resources, or identify a bundle that is a collection of data elements. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/elementdefinition-identifier

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | External Identifier associated with this element |
| Definition | External Identifiers associated with this element - these are identifiers that are associated with the concept this element represents. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/http-response-header

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Http header returned by the interaction |
| Definition | In a transaction, every single interaction can have multiple http response headers returned as a result of the interaction. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/elementdefinition-maxValueSet

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Maximum Value Set (when strength = extensible) |
| Definition | The maximum allowable value set, for use when the binding strength is 'extensible'. This value set is the value set from which extensions can be taken from. |
| Comments | Typically, this will be an entire code system, e.g. SNOMED CT. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/elementdefinition-minValueSet

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Minimum Value Set (what system must support) |
| Definition | The minimum allowable value set, for use when the binding strength is 'required' or 'extensible'. This value set is the minimum value set that any conformant system SHALL support. |
| Comments | Generally, the context of use of this extension should be specific about what it means to 'support' the value set. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/elementdefinition-question

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Prompt for element phrased as question |
| Definition | The default/suggested phrasing to use when prompting a human to capture the data element in question form (e.g. in a survey). |
| Comments | Question and label serve similar purposes in that they can both be used to prompt when capturing a data element. Whether the question form or label form should be used will depend on the type of instrument being used to capture the information. The ordering is in order of preference i.e. the most preferred question form is listed first. Note that this is for alternate phrasings of the question. Language translations are handled using the ISO 21090 string translation extensions. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/elementdefinition-allowedUnits

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Units to use for measured value |
| Definition | Identifies the units of measure in which the element should be captured or expressed. |
| Comments | Use a value set if more than one unit of measure is possible. Value sets will typically be short enough to display in a drop-down selection list. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | Units of measure allowed for an element |

## http://hl7.org/fhir/StructureDefinition/mapSourcePublisher

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Who published the mapping source |
| Definition | The name of the organization responsible for creating the specification being mapped to. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/elementdefinition-equivalence

|  |  |
| --- | --- |
| **Extension** | Extension |
| Definition | The level of equivalence between the element containing the mapping and the element mapped to. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | The degree of equivalence between concepts |

# Health Level Seven, Inc. - FHIR WG

## http://hl7.org/fhir/StructureDefinition/encounter-condition

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | A condition related to this encounter |
| Definition | The reference to conditions related to this encounter, apart from the primary condition. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/condition-outcome

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | A consequence of the Condition |
| Definition | A result of the condition. The "Cause of death" for a patient is typically captured as an Observation. The "outcome" doesn't imply causality. Some outcomes may not be assessable until the condition.clinicalStatus is no longer active. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | Codes that describe the assessed outcome of the condition |

## http://hl7.org/fhir/StructureDefinition/procedure-progressStatus

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | A details procedure progress |
| Definition | A code to track a detailed progress of a procedure (e.g. In Recovery, Prepared for Surgery). |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | A code to describe a detailed status/stage of the procedure |

## http://hl7.org/fhir/StructureDefinition/medication-isActiveIngredient

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Active ingredient indicator |
| Definition | Flag indicating whether the ingredient is active or inactive. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/allergyintolerance-resolutionAge

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Age that the allergy or intolerance resolved |
| Definition | The estimated patient age at which the allergy or intolerance resolved. Should be specified only if the status is resolved. |
| Comments | Removed Date since it is hard to imagine knowing the date an allergy abated. The assertion date is already captured. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/communicationrequest-orderedBy

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Agent that ordered the communication. |
| Definition | Agent that ordered the communication. |
| Comments | This may need to be placed into the resource itself. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/organization-alias

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Alias |
| Definition | Other names that this Organization is known as. |
| Comments | Note that in the IHE CSD and HPD standards multiple names for an organization are the norm e.g. with HPD=LDAP commonName is allowed multiple times. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/encounter-associatedEncounter

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Associated Encounter |
| Definition | This encounter occurs within the scope of the referenced encounter. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/communication-media

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Attached media |
| Definition | It contains enriched media representation of the alert message, such as a voice recording. This may be used, for example for compliance with jurisdictional accessibility requirements, literacy issues, or translations of the unstructured text content in other languages. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/procedurerequest-authorizedBy

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Authorizer of the request |
| Definition | The practitioner who authorized the procedure request, usually the same as the orderer when the orderer is a practitioner. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/condition-dueTo

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Causes for this Condition |
| Definition | Further conditions, problems, diagnoses, procedures or events or the substance that caused/triggered this Condition. |
| Comments | Although a condition may be caused by a substance, this is not intended to be used to record allergies/adverse reactions to substances. |
| **Extension.extension** |  |
| Name | code |
| Short name | Relationship target by means of a predefined code |
| Definition | Code that identifies the target of this relationship. The code takes the place of a detailed instance target. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| Binding Description | Codes that describe causes of patient conditions e.g. Surgical mishap, escalation of a previous condition, etc. |
| **Extension.extension** |  |
| Name | detail |
| Short name | Relationship target resource |
| Definition | Target of the relationship. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/allergyintolerance-reasonRefuted

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Explanation associated with refuted status |
| Definition | A code capturing the explanation of why the allergy or intolerance has been refuted. Should be specified only if the status is refuted. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/encounter-reasonCancelled

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Explanation for cancellation |
| Definition | Provides a reason if the encounter was cancelled after it was planned.Applies only if the status is cancelled. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/observation-focal-subject

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Focal Subject |
| Definition | The focus of an observation when not the patient of record (i.e. different from Observation.subject), e.g. the focal subject may be a fetus, or a donor. |
| Comments | Use Observation.specimen element to describe the specimen. Only used if not implicit in in Observation.code. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | codes for observation targets. Derived from from both V3 and SNOMED CT code systems |

## http://hl7.org/fhir/StructureDefinition/goal-relationship

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Goals related to this one |
| Definition | Establishes a relationship between this goal and other goals. |
| **Extension.extension** |  |
| Name | type |
| Definition | Identifies what kind of relationship exists between source and target goal. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| Binding Description | Types of relationships between two goals |
| **Extension.extension** |  |
| Name | target |
| Short name | Related goal |
| Definition | The goal the relationship exists with. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/allergyintolerance-duration

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | How long Manifestations persisted |
| Definition | The amount of time that the Adverse Reaction persisted. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/deviceuserequest-reasonRejected

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Reason for request rejection |
| Definition | The reason associated with the rejection by the receiver of this device use request. Applicable only if the status is rejected. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/goal-acceptance

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Individual acceptance of goal |
| Definition | Information about the acceptance and relative priority assigned to the goal by the patient, practitioners and other stake-holders. |
| **Extension.extension** |  |
| Name | individual |
| Short name | Individual whose acceptance is reflected |
| Definition | The person whose acceptance/priority is being reflected. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| **Extension.extension** |  |
| Name | status |
| Definition | Indicates whether the specified individual has accepted the goal or not. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| Binding Description | Codes indicating whether the goal has been accepted by a stakeholder |
| **Extension.extension** |  |
| Name | priority |
| Short name | Priority of goal for individual |
| Definition | Indicates the relative priority assigned to the resource by the stakeholder. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| Binding Description | Codes indicating the relative priority assigned to a goal by a stakeholder |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/familymemberhistory-patient-record

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Link to patient record |
| Definition | A link to one to more patient records for the relation. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/diagnosticReport-locationPerformed

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Location Performed |
| Definition | Facility location where this report was prepared. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/encounter-relatedCondition

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Other associated conditions |
| Definition | The conditions considered and addressed within this encounter. This includes items such as reason for visit, admission diagnosis, discharge diagnosis, chief complaint. Do not use reason or indication in the Action class to specify encounter-related diagnoses. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/organization-period

|  |  |
| --- | --- |
| **Extension** | Extension |
| Definition | The date range that this organization should be considered available. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/goal-pertainsToGoal

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Pertains to goal |
| Definition | Indicates that the resource is related to the measurement, achievement or progress towards, the referenced goal. |
| Comments | This extension is limited to subject-specific activity-related resources (events and intents) i.e. This cannot be put on Goal or Patient. This association is not for the purpose of goal management, but for things such as noting that a particular observation result, prescription or other activity is pertinent to the achievement (or possibly non-achievement) of the referenced goal. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/condition-criticality

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Potential impact of the condition |
| Definition | Characterizes potential impact of the condition on life, durable physiological function, or quality of life. May include concepts such as self-resolving, life-threatening, requires hospitalization, or potential loss of function or capacity. Different from severity in that a moderate subarachnoid hemorrhage is likely to be highly critical, whereas a moderate headache is not as important. |
| Comments | What is the value set for this? |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/condition-occurredFollowing

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Precedent for this Condition |
| Definition | Further conditions, problems, diagnoses, procedures or events or the substance that preceded this Condition. |
| **Extension.extension** |  |
| Name | code |
| Short name | Relationship target by means of a predefined code |
| Definition | Code that identifies the target of this relationship. The code takes the place of a detailed instance target. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| Binding Description | Codes that describe activities or observations that occurred prior to the condition |
| **Extension.extension** |  |
| Name | detail |
| Short name | Relationship target resource |
| Definition | Target of the relationship. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/organization-preferredContact

|  |  |
| --- | --- |
| **Extension** | Extension |
| Definition | This Contact is the preferred contact at this . There can be multiple contacts on an Organizations record with this value set to true, but these should all have different purpose values. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/encounter-primaryDiagnosis

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Primary Diagnosis of this encounter |
| Definition | The order of diagnosis importance (1 = highest in importance), from the clinical perspective, may be used in billing. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/observation-delta

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Qualitative change or trend in the measurement |
| Definition | The qualitative change in the value relative to the previous measurement. Usually only recorded if the change is clinically significant. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/procedurerequest-reasonRefused

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Reason for refusal |
| Definition | The reason the request was refused. Applies only if the status is refused. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/diagnosticorder-reason

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Reason for this order |
| Definition | The reason for this order, as a code. This is often for billing purposes. May relate to the resources referred to in supportingInformation, or code the information in the clinicalNotes field. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/referralrequest-reasonRefused

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Reason referral was refused |
| Definition | The reason the referral request was refused. Only applicable when status = refused. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/specimen-specialHandling

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Special handling of the specimen |
| Definition | Special handling during the collection, transport, or storage of the specimen. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/goal-target

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Target for goal |
| Definition | The element describing the target for the goal, allowing the progress of the goal to be monitored against an observation. |
| **Extension.extension** |  |
| Name | measure |
| Short name | The parameter whose value is being tracked |
| Definition | The parameter whose value is being tracked, e.g. body weight, blood pressure, or Hemoglobin A1c level. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| **Extension.extension** |  |
| Name | detail |
| Short name | The target value range to be achieved |
| Definition | The target value range of the focus to be achieved to signify the fulfillment of the goal, e.g. 150 pounds, 7.0%. Either the high or low or both values of the range can be specified. When a low value is missing, it indicates that the goal is achieved at any focus value at or below the high value. Similarly, if the high value is missing, it indicates that the goal is achieved at any focus value at or above the low value. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/procedure-approachBodySite

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | The access point or points used for this procedure |
| Definition | The approach body site used for this procedure. Multiple locations are allowed. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/imagingstudy-radiationDose

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | The amount of radiation, as a range |
| Definition | The range of radiation to be given for this study. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/observation-bodyPosition

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | The body position during the observation |
| Definition | The position of the body when the observation was done, e.g. standing, sitting. To be used only when the body position in not pre-coordinated in the observation code. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/diagnosticorder-precondition

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | The condition or state of the patient for this test |
| Definition | The condition or state of the patient, prior or during the diagnostic procedure or test, e.g. fasting, at-rest, or post-operative. This captures circumstances that may influence the measured value and have bearing on the interpretation of the result. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/procedure-incisionDateTime

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | The first incision time |
| Definition | The time of the first incision. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/imagingstudy-radiationDuration

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | The length of time for radiation exposure |
| Definition | The duration of exposure to radiation for this study. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/procedure-method

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | The method used to perform the procedure |
| Definition | The method used to perform this procedure. |
| Comments | Improve definition. Add mappings. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/goal-reasonRejected

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | The reason the goal was not accepted |
| Definition | The reason the goal was not accepted. Applies only if the status of the goal is rejected. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/diagnosticorder-reasonRejected

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | The reason the order was rejected |
| Definition | The coded reason why the diagnostic order was rejected. The element must be used only when status is rejected. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/procedure-causedBy

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | The related item - e.g. a procedure |
| Definition | The related item - e.g. a procedure. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/procedurerequest-approachBodySite

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | The requested access point or points used for this procedure |
| Definition | The requested approach body site used for this procedure. Multiple locations are allowed. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/procedurerequest-targetBodySite

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | The requested target point for this procedure |
| Definition | The requested target body site for this procedure. Multiple locations are allowed. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/encounter-conditionRole

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | The role of the condition |
| Definition | The role of the condition within this encounter, e.g. chief complaint, admission diagnosis, discharge diagnosis, comorbidity. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/specimen-sequenceNumber

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | The sequence number of the sample |
| Definition | An assigned number on the specimen denoting the order of collection. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/familymemberhistory-severity

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | The seriousness of the family member condition |
| Definition | A qualification of the seriousness or impact on health of the family member condition. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | A subjective assessment of the severity of the condition as evaluated by the clinician. |

## http://hl7.org/fhir/StructureDefinition/procedure-targetBodySite

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | The target point for this procedure |
| Definition | The target body site used for this procedure. Multiple locations are allowed. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/medicationdispense-validityPeriod

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Time interval for medication administration |
| Definition | The time interval when the medication must be administered. The start and end times must be expressed as timestamps, not times relative to the dispensing time (e.g. use within 24 hours). |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/specimen-treatmentTime

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Time of treatment |
| Definition | Period or duration of treatment. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/medication-usualRoute

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Typical application route |
| Definition | The typical route into the body for this medication. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/specimen-collectionPriority

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Urgency for collection |
| Definition | The urgency of sample collection, such as STAT, ASAP, ASAP-ED, ROUTINE, ROUTINE-AM, etc. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | Type representing the priority for specimen collection |

## http://hl7.org/fhir/StructureDefinition/familymemberhistory-abatement

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | When (or if) the family members condition resolved |
| Definition | The approximate date, age, or flag indicating that the condition of the family member resolved. The abatement should only be specified if the condition is stated in the positive sense, i.e., the didNotHave flag is false. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/specimen-isDryWeight

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Whether quantity is a dry weight |
| Definition | Set to true if the recorded quantity of the specimen is reported as dry weight. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/communication-reasonNotPerformed

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Why the communication was not or could not be carried out |
| Definition | Explanation for rejection or failure of the communication. Applicable only if the status is suspended, rejected, or failed. |
| Comments | We need a value set for this field. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/communicationrequest-reasonRejected

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Why the recipient could not be act upon the request |
| Definition | The reason associated with the rejection of this communication request by the receiver. Applicable only if the status is rejected. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/condition-targetBodySite

|  |  |
| --- | --- |
| **Extension** | Extension |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

# Health Level Seven, Inc. - Patient Care WG

## http://hl7.org/fhir/StructureDefinition/flag-priority

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | An alarm code |
| Definition | A code that identifies the priority of the alert, e.g. the Alert Priority flags column in IHE PCD TF 2 Table B.8-4. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | A code of the alarm |

## http://hl7.org/fhir/StructureDefinition/careplan-activity-title

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Label for activity |
| Definition | Human-friendly name for the activity. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/flag-detail

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Resource with details for flag |
| Definition | Points to the Observation, AllergyIntolerance or other record that provides additional supporting information about this particular flag. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

# Health Level Seven, Inc. - Structured Documents WG

## http://hl7.org/fhir/StructureDefinition/composition-clindoc-otherConfidentiality

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Additional confidentiality codes |
| Definition | Carries additional confidentiality codes beyond the base fixed code specified in the CDA document. |
| Comments | Typically this is used where an institution has their own set of confidentiality codes that have different granularity that the base CDA codes, or for legacy reasons. For security related codes other than confidentiality, see [[security-labels-html]]. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

# Health Level Seven, Inc. - [WG Name] WG

## http://hl7.org/fhir/StructureDefinition/structuredefinition-explicit-type-name

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Advisory - name of Type for implementations |
| Definition | A name to use for the type, in implementations. This is a suggestion; it's not a normative part of the FHIR specification, but it does appear in the UML diagrams, and is used in generated code, schemas, etc to identify the type. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/conformance-search-parameter-combination

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | An allowable parameter combination |
| Definition | A container for a single allowable parameter combination. |
| Comments | If a search combination is specified, clients should expect that they must submit that required combination or the search will be unsuccessful. If multiple search parameter combinations are specified, a client may pick between them, and supply the minimal required parameters for any of the combinations. |
| **Extension.extension** |  |
| Name | required |
| Short name | A required search parameter name |
| Definition | A search parameter name in the combination which is required. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| **Extension.extension** |  |
| Name | optional |
| Short name | An optional search parameter name |
| Definition | A search parameter name in the combination which is optional. |
| Comments | If a defined parameter is not listed as a required or optional parameter, the implication is that the parameter is not supported with this combination. Servers may ignore It, though some may return an error if it is used. |
| **Extension.extension.extension** |  |
| Name | extension |
| **Extension.extension.url** |  |
| **Extension.extension.value[x]** |  |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/conformance-supported-system

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Code system not defined in a value set |
| Definition | A code system that is supported by the system that is not defined in a value set resource. |
| Comments | Typically, this is a large terminology set such as LOINC, SNOMED CT. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/conformance-expectation

|  |  |
| --- | --- |
| **Extension** | Extension |
| Definition | Defines the level of expectation associated with a given system capability. |
| Comments | If "SHALL NOT" is desired, use the "prohibited" modifier extension. This extension should only be used with conformance profiles documenting requirements, not those documenting actual system capabilities. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | Indicates the degree of adherence to a specified behavior or capability expected in order for a system to be deemed conformant with a specification |

## http://hl7.org/fhir/StructureDefinition/structuredefinition-fmm

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | FMM Level |
| Definition | The FMM level assigned to the artifact. |
| Comments | Though this is defined for resources, it can be used for any artifact. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/structuredefinition-fmm-no-warnings

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | FMM Level (if no warnings) |
| Definition | The FMM level that would be assigned to the artifact if it had no warnings. |
| Comments | If an artifact FMM is higher than level 0, it must have no warnings from the resource/profile validator. This is the logical level that will apply once warnings have been resolved. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/conformance-prohibited

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Functionality not allowed |
| Definition | If set to true, indicates that support for the specified behavior would make a system non-conformant with the specification. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/structuredefinition-display-hint

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Hinting information for the narrative generator |
| Definition | Hinting information for the narrative generator - a series of name: value; pairs. |
| Comments | Known names: default (default value – do not represent if this value). |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/operationoutcome-detectedIssue

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Reference to a contra-indication that is the basis for this error |
| Definition | A reference to a stored contraindication that is the basis for this issue. A recipient can expect that the item referenced in this extension is being retained for record keeping purposes. |
| Comments | Operation outcome records are transient items that are returned in response to specific interactions or operations. Contraindications are items that can be stored in the patients records as reasons that things were not done (or done). This extension allows a transient operation outcome to refer to a persistent entry in the patient record as the basis for the outcome. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/operationoutcome-authority

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Reference to where the rule is defined |
| Definition | A reference to where the rule is defined (based on the authoritative URLs in the applicable Conformance resource(s)). |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/operationoutcome-issue-source

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Source of a validation message |
| Definition | Helps a user track down the source of the problem. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |

## http://hl7.org/fhir/StructureDefinition/structuredefinition-template-status

|  |  |
| --- | --- |
| **Extension** | Extension |
| Short name | Template Status Code (more authoring statuses) |
| Definition | Status code taken from [HL7 template specification](http://wiki.hl7.org/images/7/7a/TemplatesDSTU-20140910b-96.pdf.zip) - allows for alignment with the template DSTU, and has more authoring status codes. |
| Comments | The Profile status has the codes that are relevant to end-users/developers, while this extension has the codes used by profile developers. |
| **Extension.extension** |  |
| Name | extension |
| **Extension.url** |  |
| **Extension.value[x]** |  |
| Binding Description | The status indicates the level of maturity of the design and may be used to manage the use of the design |