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| ADL and AML Non-normative Examples    Version: 1.0  **OMG Document Number: health/2014-10-01**  **Standard document URL: http://www.omg.org/spec/AML/1.0**  Original File: N/A |

# AML and ADL Examples

The following section gives examples of AML and their ADL equivalents to illustrate the relationship between ADL and AML. These are valid OpenEHR ADL archetypes that have been converted into AML.

## Annotations Examples

### Annotations RM Path Example

#### Annotations RM Path ADL Diagram

#### Annotations RM Path ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-COMPOSITION.annotations\_rm\_path.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Sam Heard">

["organisation"] = <"openEHR">

["email"] = <"sam.heard@oceaninformatics.com">

["date"] = <"9/11/2010">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Demonstrate annotations on RM paths (rather than archetype paths)">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"© openEHR Foundation">

definition

COMPOSITION[id1] matches { -- Prescription

category matches {

DV\_CODED\_TEXT[id10] matches {

defining\_code matches {[at1]}

}

}

context matches {

EVENT\_CONTEXT[id11] matches {

other\_context matches {

ITEM\_TREE[id2] matches {

items matches {

CLUSTER[id3] occurrences matches {0..\*} matches { -- Qualification

items matches {

ELEMENT[id4] occurrences matches {0..1} matches { -- OrderID

value matches {

DV\_EHR\_URI[id12]

DV\_IDENTIFIER[id13]

}

}

ELEMENT[id5] occurrences matches {0..\*} matches { -- Endorsement

value matches {

DV\_TEXT[id14]

}

}

ELEMENT[id6] occurrences matches {0..\*} matches { -- AuthorisationID

value matches {

DV\_IDENTIFIER[id15]

}

}

ELEMENT[id7] occurrences matches {0..\*} matches { -- Comment

value matches {

DV\_TEXT[id16]

}

}

}

}

}

}

}

}

}

content cardinality matches {1..\*; unordered} matches {

allow\_archetype INSTRUCTION[id8] occurrences matches {1..\*} matches { -- Medication instruction

include

archetype\_id/value matches {/openEHR-EHR-INSTRUCTION\.medication\.v1/}

}

allow\_archetype ENTRY[id9] occurrences matches {0..\*} matches { -- Other data

include

archetype\_id/value matches {/.\*/}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Prescription">

description = <"A document authorising supply and administration of one or more medicines, vaccines or other therapeutic goods (as a collection of medication instrations) to be communicated to a dispensing or administration provider.">

>

["id3"] = <

text = <"Qualification">

description = <"Qualifications on any medication order included in the prescription.">

>

["id4"] = <

text = <"OrderID">

description = <"The path or ID of the order referenced. If there is no OrderID then the endorsement relates to the entire prescription.">

>

["id5"] = <

text = <"Endorsement">

description = <"Asserting that a special condition applies such as approval for enhanced subsidy or concurrent supply. Australian examples include Regulation 24 (PBS), Hardship Conditions (RPBS) or CTG for 'close the gap'.">

>

["id6"] = <

text = <"AuthorisationID">

description = <"An identifier authorising prescription, dispensing or reimbursement for this medication order.">

>

["id7"] = <

text = <"Comment">

description = <"Comment on any qualification.">

>

["id8"] = <

text = <"Medication instruction">

description = <"Contains one or more medication instructions to be supplied.">

>

["id9"] = <

text = <"Other data">

description = <"Other observational or relevant data.">

>

["at1"] = <

text = <"event">

description = <"event">

>

>

>

term\_bindings = <

["openehr"] = <

["at1"] = <http://openehr.org/id/433>

>

>

annotations

items = <

["en"] = <

items = <

["/context/start\_time"] = <

items = <

["test"] = <"XXXX">

["local\_name"] = <"consultation start time">

>

>

["/context/location"] = <

items = <

["design note"] = <"Note on use of the non-archteyped context/location RM element in this data">

>

>

["/context/health\_care\_facility/name"] = <

items = <

["design note"] = <"Note on use of non-archteyped context/health\_care\_facility/name RM element in this data">

>

>

>

>

>

#### Annotations RM Path AML

### Annotations 1st Child Example

#### Annotations 1st Child ADL Diagram

#### Annotations 1st Child ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-EVALUATION.annotations\_1st\_child.v1.0.0

specialize

openEHR-EHR-EVALUATION.annotations\_parent.v1

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

["date"] = <"12/12/2010">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"To test use of annotations; based on CKM Adverse reactions archetype">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"copyright (c) 2010 openEHR Foundation">

definition

EVALUATION[id1.1] matches { -- Exclusion statement - Adverse Reaction

/data[id2]/items matches {

ELEMENT[id0.7] occurrences matches {0..1} matches { -- No known adverse reaction to

value matches {

DV\_TEXT[id0.5]

}

}

ELEMENT[id0.8] occurrences matches {0..1} matches { -- No known allergic reaction to

value matches {

DV\_TEXT[id0.6]

}

}

ELEMENT[id0.9] occurrences matches {0..1} matches { -- No known hypersensitivity reaction to

value matches {

DV\_TEXT[id0.7] -- No known adverse reaction to

}

}

ELEMENT[id0.10] occurrences matches {0..1} matches { -- No known intolerance to

value matches {

DV\_TEXT[id0.8] -- No known allergic reaction to

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1.1"] = <

text = <"Exclusion statement - Adverse Reaction">

description = <"Statements about Adverse Reactions that need to be positively recorded as absent or excluded.">

>

["id0.10"] = <

text = <"No known intolerance to">

description = <"Positive statement about intolerances to substances that are explicitly known to have not been identified at the time of recording.">

>

["id0.7"] = <

text = <"No known adverse reaction to">

description = <"Positive statement about adverse reactions to substances that are explicitly known to have not been identified at the time of recording.">

>

["id0.8"] = <

text = <"No known allergic reaction to">

description = <"Positive statement about allergic reactions to substances that are explicitly known to have not been identified at the time of recording.">

>

["id0.9"] = <

text = <"No known hypersensitivity reaction to">

description = <"Positive statement about hypersensitivity reactions to substances that are explicitly known to have not been identified at the time of recording.">

>

>

>

annotations

items = <

["en"] = <

items = <

["/data[id2]/items[id0.8]"] = <

items = <

["design note"] = <"this is a design note on allergic reaction">

["requirements note"] = <"this is a requirements note on allergic reaction">

["medline ref"] = <"this is a medline ref on allergic reaction">

>

>

["/data[id2]/items[id0.10]"] = <

items = <

["design note"] = <"this is a design note on intelerance">

["requirements note"] = <"this is a requirements note on intolerance">

["national data dictionary"] = <"NDD ref for intolerance">

>

>

["/data[id2]/items[id3]"] = <

items = <

["design note"] = <"this is a SPECIALISED design note on Statement">

["NEW TAG"] = <"this is a SPECIALISED design note on Statement">

>

>

>

>

>

#### Annotations 1st Child AML

### Annotations Only Child Example

#### Annotations Only Child ADL Diagram

#### Annotations Only Child ADL Diagram

#### Annotations Only Child ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-EVALUATION.annotations\_only\_child.v1.0.0

specialize

openEHR-EHR-EVALUATION.annotations\_parent.v1

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

["date"] = <"12/12/2010">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"To test use of specialisation that adds only annotations, i.e. no other changes">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"copyright (c) 2010 openEHR Foundation">

definition

EVALUATION[id1.1] -- Annotations specialisation

terminology

term\_definitions = <

["en"] = <

["id1.1"] = <

text = <"Annotations specialisation">

description = <"Annotations specialisation">

>

>

>

annotations

items = <

["en"] = <

items = <

["/data[id2]/items[id3]"] = <

items = <

["design note"] = <"this is a SPECIALISED design note on Statement">

["NEW TAG"] = <"this is a SPECIALISED design note on Statement">

>

>

>

>

>

#### Annotations Only Child AML

### Annotations Parent Example

#### Annotations Parent ADL Diagram

#### Annotations Parent ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-EVALUATION.annotations\_parent.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

["date"] = <"20/12/2010">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Archetype containing an annotation, derived from CKM 'excluded' archetype">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"copyright (c) 2010 openEHR Foundation">

definition

EVALUATION[id1] matches { -- General statement of exclusions or states

data matches {

ITEM\_TREE[id2] matches {

items cardinality matches {1..\*; unordered} matches {

ELEMENT[id3] occurrences matches {1..\*} matches { -- Statement

value matches {

DV\_CODED\_TEXT[id4] matches {

defining\_code matches {[ac1]} -- Statement

}

}

}

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"General statement of exclusions or states">

description = <"A category of conditions or states which have been excluded">

>

["id3"] = <

text = <"Statement">

description = <"The statement about what is excluded">

>

["at4"] = <

text = <"No significant illness">

description = <"The person has no significant medical condition">

>

["at5"] = <

text = <"No significant past history">

description = <"The person has no significant past medical history">

>

["at6"] = <

text = <"No significant family history">

description = <"The person has no relatives with significant health problems">

>

["at7"] = <

text = <"No known adverse reactions">

description = <"The person has had no adverse reactions, including intolerances, sensitivities or allergies, to medications, food, animals or chemicals">

>

["at8"] = <

text = <"No known sensitivities">

description = <"No sensitivity to any medications, foods or substances">

>

["at9"] = <

text = <"No known intolerances">

description = <"No known or recorded intolerances to medications, foods or other substances">

>

["at10"] = <

text = <"No relevant past history">

description = <"No past problems or procedures relevant to the current situation">

>

["at11"] = <

text = <"No hospitalisations">

description = <"No admissions to hospital">

>

["at12"] = <

text = <"No major surgery">

description = <"No major operations or procedures">

>

["at13"] = <

text = <"No relevant family history">

description = <"No family history relevant to the current situation">

>

["at14"] = <

text = <"No known allergies">

description = <"No allergies known to any medications, foods or substances">

>

["ac1"] = <

text = <"Statement">

description = <"The statement about what is excluded">

>

>

>

value\_sets = <

["ac1"] = <

id = <"ac1">

members = <"at4", "at5", "at6", "at7", "at10", "at13", "at14", "at11", "at12", "at8", "at9">

>

>

annotations

items = <

["en"] = <

items = <

["/data[id2]"] = <

items = <

["ui"] = <"passthrough">

>

>

["/data[id2]/items[id3]"] = <

items = <

["design note"] = <"this is a design note on Statement">

["requirements note"] = <"this is a requirements note on Statement">

["medline ref"] = <"this is a medline ref on Statement">

>

>

>

>

>

#### Annotations Parent AML

## Basic Examples

### Mixed AOM Node Types Example

#### Mixed AOM Node Types ADL Diagram

#### Mixed AOM Node Types ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-EVALUATION.mixed\_aom\_node\_types.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

["submission"] = <"01/05/2004">

["organisation"] = <"OceanInformatics.com">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test various C\_OBJECT types together">

keywords = <"ADL", "test">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"copyright (c) 2010 The openEHR Foundation">

definition

EVALUATION[id1] matches { -- Evaluation

data matches {

ITEM\_TREE[id14] matches {

items matches {

CLUSTER[id2] matches { -- cluster

items matches {

use\_node ELEMENT[id10] /data[id14]/items[id11]/items[id13] -- /data[id14]/items[cluster]/items[element]

allow\_archetype CLUSTER[id4] matches { -- element

include

archetype\_id/value matches {/.\*/}

}

ELEMENT[id3] -- element

}

}

CLUSTER[id11] matches { -- cluster

items matches {

ELEMENT[id13] -- element

}

}

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Evaluation">

description = <"Evaluation">

>

["id2"] = <

text = <"cluster">

description = <"cluster">

>

["id3"] = <

text = <"element">

description = <"element">

>

["id11"] = <

text = <"cluster">

description = <"cluster">

>

["id13"] = <

text = <"element">

description = <"element">

>

["id4"] = <

text = <"element">

description = <"element">

>

["id10"] = <

text = <"use\_node element">

description = <"use\_node element">

>

>

>

#### Mixed AOM Node Types AML

### Structure Test Example

#### Structure Test ADL Diagram

#### Structure Test ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openehr-TEST\_PKG-BOOK.structure\_test1.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test basic structure hierarchy">

keywords = <"ADL", "structure", "test">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"copyright (c) 2010 The openEHR Foundation">

definition

BOOK[id1] matches { -- Work of fiction

title matches {"Devils"}

author matches {"Fyodor Dostoyevsky"}

chapters matches {

CHAPTER[id2] matches { -- 1st chapter of the book

title matches {"By way of introductoin"}

}

CHAPTER[id3] matches { -- 2nd chapter of the book

title matches {"Prince Harry, matchmaking"}

}

CHAPTER[id4] matches { -- 3rd chapter of the book

title matches {"Another man's sins"}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Work of fiction">

description = <"Novel">

>

["id2"] = <

text = <"1st chapter of the book">

description = <"Chapter 1">

>

["id3"] = <

text = <"2nd chapter of the book">

description = <"Chapter 2">

>

["id4"] = <

text = <"3rd chapter of the book">

description = <"Chapter 3">

>

>

>

#### Structure Test AML

### Assumed Types Example

#### Assumed Types ADL Diagram

#### Assumed Types ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openehr-TEST\_PKG-WHOLE.assumed\_types.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"test assumed types">

keywords = <"ADL", "assumed types", "test">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"copyright (c) 2004 The openEHR Foundation">

definition

WHOLE[id1] matches { -- test entry

string\_attr1 matches {"something", "something else"; "something else"}

string\_attr2 matches {/this|that|something else/; "this"}

string\_attr3 matches {/cardio.\*/; "cardiology examination"}

boolean\_attr1 matches {True}

boolean\_attr2 matches {False}

boolean\_attr3 matches {True, False; True}

integer\_attr1 matches {55}

integer\_attr2 matches {10, 20, 30; 10}

integer\_attr3 matches {|0..100|; 10}

integer\_attr4 matches {|>10|; 11}

integer\_attr5 matches {|<10|; 9}

integer\_attr6 matches {|>=10|; 10}

integer\_attr7 matches {|<=10|; 5}

integer\_attr8 matches {|-10..-5|; -8}

integer\_attr9 matches {10}

real\_attr1 matches {100.0}

real\_attr2 matches {10.0, 20.0, 30.0; 20.0}

real\_attr3 matches {|0.0..100.0|; 20.4}

real\_attr4 matches {|>=10.0|; 20.0}

real\_attr5 matches {|<=10.0|; 9.5}

real\_attr6 matches {|>=10.0|; 20.3}

real\_attr7 matches {|<=10.0|; 8.0}

real\_attr8 matches {|-10.0..-5.0|; -9.8}

real\_attr9 matches {10.0}

date\_attr1 matches {yyyy-mm-dd; 1995-03-17}

date\_attr2 matches {yyyy-??-??; 1995-03-17}

date\_attr3 matches {yyyy-mm-??; 1995-03-17}

date\_attr4 matches {yyyy-??-XX; 1995-03}

date\_attr5 matches {1983-12-25}

date\_attr6 matches {2000-01-01}

time\_attr1 matches {hh:mm:ss; 12:01:30}

time\_attr2 matches {hh:mm:XX; 12:01}

time\_attr3 matches {hh:??:XX; 12:00}

time\_attr4 matches {hh:??:??; 12:00}

time\_attr5 matches {22:00:05,0}

time\_attr6 matches {00:00:59,0}

time\_attr7 matches {00:00:59,0}

date\_time\_attr1 matches {yyyy-mm-ddThh:mm:ss; 1995-03-17T12:01:30}

date\_time\_attr2 matches {yyyy-mm-ddThh:mm:??; 1995-03-17T12:01}

date\_time\_attr3 matches {yyyy-mm-ddThh:mm:XX; 1995-03-17T12:01}

date\_time\_attr4 matches {yyyy-mm-ddThh:??:XX; 1995-03-17T12:01}

date\_time\_attr5 matches {yyyy-??-??T??:??:??; 1995-03-17T12:01}

date\_time\_attr6 matches {1983-12-25T22:00:05,0}

date\_time\_attr7 matches {2000-01-01T00:00:59,0}

date\_time\_attr8 matches {2000-01-01T00:00:59,0}

duration\_attr1 matches {PT0S}

duration\_attr2 matches {P1D}

duration\_attr3 matches {PT2H5M}

duration\_attr4 matches {PT1H55M}

duration\_attr5 matches {|<=PT1H|; PT30M}

duration\_attr6 matches {PT1H30M}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"test entry">

description = <"test entry">

>

>

>

#### Assumed Types AML

### Basic Types Example

#### Basic Types ADL Diagram

#### Basic Types ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openehr-TEST\_PKG-WHOLE.basic\_types.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"test structure">

keywords = <"ADL", "test">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"copyright (c) 2004 The openEHR Foundation">

definition

WHOLE[id1] matches { -- test entry

string\_attr1 matches {"something"}

string\_attr2 matches {/this|that|something else/}

string\_attr3 matches {/cardio.\*/}

string\_attr4

string\_attr5 matches {"and", "something", "else"}

boolean\_attr1 matches {True}

boolean\_attr2 matches {False}

boolean\_attr3 matches {True, False}

boolean\_attr4

integer\_attr1 matches {55}

integer\_attr2 matches {10, 20, 30}

integer\_attr3 matches {|0..100|}

integer\_attr4 matches {|>0..100|}

integer\_attr5 matches {|0..<100|}

integer\_attr6 matches {|>0..<100|}

integer\_attr7 matches {|>10|}

integer\_attr8 matches {|<10|}

integer\_attr9 matches {|>=10|}

integer\_attr10 matches {|<=10|}

integer\_attr11 matches {|-10..-5|}

integer\_attr12 matches {10}

integer\_attr13

real\_attr1 matches {100.0}

real\_attr2 matches {10.0, 20.0, 30.0}

real\_attr3 matches {|0.0..100.0|}

real\_attr4 matches {|>0.0..100.0|}

real\_attr5 matches {|0.0..<100.0|}

real\_attr6 matches {|>0.0..<100.0|}

real\_attr7 matches {|>=10.0|}

real\_attr8 matches {|<=10.0|}

real\_attr9 matches {|>=10.0|}

real\_attr10 matches {|<=10.0|}

real\_attr11 matches {|-10.0..-5.0|}

real\_attr12 matches {10.0}

real\_attr13

date\_attr1 matches {yyyy-mm-dd}

date\_attr2 matches {yyyy-??-??}

date\_attr3 matches {yyyy-mm-??}

date\_attr4 matches {yyyy-??-XX}

date\_attr5 matches {1983-12-25}

date\_attr6 matches {2000-01-01}

date\_attr7 matches {2000-01-01}

date\_attr8 matches {|2000-01-01..2000-02-01|}

date\_attr9 matches {|>2000-01-01..2000-02-01|}

date\_attr10 matches {|2000-01-01..<2000-02-01|}

date\_attr11 matches {|>2000-01-01..<2000-02-01|}

time\_attr1 matches {hh:mm:ss}

time\_attr2 matches {hh:mm:??}

time\_attr3 matches {hh:mm:XX}

time\_attr4 matches {hh:??:??}

time\_attr5 matches {hh:??:XX}

time\_attr6 matches {22:00:05,0}

time\_attr7 matches {00:00:59,0}

time\_attr8 matches {00:00:59,0}

time\_attr9 matches {|01:00:00..02:00:00|}

time\_attr10 matches {|>01:00:00..02:00:00|}

time\_attr11 matches {|01:00:00..<02:00:00|}

time\_attr12 matches {|>01:00:00..<02:00:00|}

date\_time\_attr1 matches {yyyy-mm-ddThh:mm:ss}

date\_time\_attr2 matches {yyyy-mm-ddThh:mm:??}

date\_time\_attr3 matches {yyyy-mm-ddThh:mm:XX}

date\_time\_attr4 matches {yyyy-mm-ddThh:??:??}

date\_time\_attr5 matches {yyyy-mm-ddThh:??:XX}

date\_time\_attr6 matches {yyyy-??-??T??:??:??}

date\_time\_attr7 matches {1983-12-25T22:00:05,0}

date\_time\_attr8 matches {2000-01-01T00:00:59,0}

date\_time\_attr9 matches {2000-01-01T00:00:59,0}

date\_time\_attr10 matches {|2000-01-01T01:00:00..2000-01-01T02:00:00|}

date\_time\_attr11 matches {|>2000-01-01T01:00:00..2000-01-01T02:00:00|}

date\_time\_attr12 matches {|2000-01-01T01:00:00..<2000-01-01T02:00:00|}

date\_time\_attr13 matches {|>2000-01-01T01:00:00..<2000-01-01T02:00:00|}

duration\_attr1 matches {Pw}

duration\_attr2 matches {Pmw}

duration\_attr3 matches {PWD}

duration\_attr4 matches {PD}

duration\_attr5 matches {Pym}

duration\_attr6 matches {PdThms}

duration\_attr7 matches {PTs}

duration\_attr8 matches {PThm}

duration\_attr9 matches {PT0S}

duration\_attr10 matches {PT0S}

duration\_attr11 matches {P1D}

duration\_attr12 matches {|P38W..P39W4D|}

duration\_attr13 matches {|>P38W..P39W4D|}

duration\_attr14 matches {|P38W..<P39W4D|}

duration\_attr15 matches {|>P38W..<P39W4D|}

duration\_attr16 matches {PT2H5M}

duration\_attr17 matches {PT1H55M}

duration\_attr18 matches {|<=PT1H|}

duration\_attr19 matches {PT1H30M}

duration\_attr20 matches {Pw/PT0S}

duration\_attr21 matches {Pmw/PT0S}

duration\_attr22 matches {PWD/PT0S}

duration\_attr23 matches {PD/PT0S}

duration\_attr24 matches {Pym/PT0S}

duration\_attr25 matches {PdThms/PT0S}

duration\_attr26 matches {PTs/PT0S}

duration\_attr27 matches {PThm/PT0S}

duration\_attr28 matches {Pw/|P38W..P39W4D|}

duration\_attr29 matches {Pmw/|P38W..P39W4D|}

duration\_attr30 matches {PWD/|P38W..P39W4D|}

duration\_attr31 matches {PD/|P38W..P39W4D|}

duration\_attr32 matches {Pym/|P38W..P39W4D|}

duration\_attr33 matches {PdThms/|P38W..P39W4D|}

duration\_attr34 matches {PTs/|P38W..P39W4D|}

duration\_attr35 matches {PThm/|P38W..P39W4D|}

duration\_attr36 matches {|>=PT0S|}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"test entry">

description = <"test entry">

>

>

>

#### Basic Types AML

### Most Minimal Example

#### Most Minimal ADL Diagram

#### Most Minimal ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openehr-TEST\_PKG-WHOLE.most\_minimal.v3.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"unknown">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test what happens when a different version of an existing archetype is encountered by AWB.">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

WHOLE[id1] -- most minimal

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"most minimal">

description = <"most minimal">

>

>

>

#### Most Minimal AML

## Flattening Examples

### Lab Test Panel Lipid Studies Example

#### Lab Test Panel Lipid Studies ADL Diagram

#### Lab Test Panel Lipid Studies ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-CLUSTER.lab\_test\_panel-lipid\_studies.v1.0.0

specialize

openEHR-EHR-CLUSTER.lab\_test\_panel.v1

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Ian McNicoll">

["organisation"] = <"freshEHR Clinical Informatics, UK">

["email"] = <"ian@freshehr.com">

["date"] = <"2014-04-18">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test flattening of overlays of new elements onto cloned structures.">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"(c) 2014 openEHR Foundation">

definition

CLUSTER[id1.1] matches { -- Lipid studies panel

/items matches {

CLUSTER[id3.1] matches { -- LDL Cholesterol Result

items matches {

ELEMENT[id2.1] matches { -- LDL Cholesterol

value matches {

DV\_QUANTITY[id0.1] matches {

property matches {[at0.1]}

magnitude matches {|>=0.0|}

units matches {"mmol/l"}

}

}

}

}

}

CLUSTER[id3.2] matches { -- HDL Cholesterol Result

items matches {

ELEMENT[id2.2] matches { -- HDL Cholesterol

value matches {

DV\_QUANTITY[id0.2] matches {

property matches {[at0.1]}

magnitude matches {|>=0.0|}

units matches {"mmol/l"}

}

}

}

}

}

CLUSTER[id3.3] matches { -- Ratio Result

items matches {

ELEMENT[id2.3] matches { -- Ratio

value matches {

DV\_QUANTITY[id0.3] matches {

property matches {[at0.1]}

magnitude matches {|>=0.0|}

units matches {"mmol/l"}

}

}

}

}

}

CLUSTER[id3.4] matches { -- Triglyceride Result

items matches {

ELEMENT[id2.4] matches { -- Triglyceride

value matches {

DV\_QUANTITY[id0.4] matches {

property matches {[at0.1]}

magnitude matches {|>=0.0|}

units matches {"mosmol/l"}

}

}

}

}

}

CLUSTER[id3.5] matches { -- Total Result

items matches {

ELEMENT[id2.5] matches { -- Total cholesterol

value matches {

DV\_QUANTITY[id0.5] matches {

property matches {[at0.1]}

magnitude matches {|>=0.0|}

units matches {"mosmol/l"}

}

}

}

}

}

CLUSTER[id3.6] -- ! - Laboratory Result

}

}

terminology

term\_definitions = <

["en"] = <

["id1.1"] = <

text = <"Lipid studies panel">

description = <"Laboratory test results as a single value or in a panel/battery format common to clinical pathology testing.!">

>

["id2.1"] = <

text = <"LDL Cholesterol">

description = <"Actual value of the result.">

>

["id2.2"] = <

text = <"HDL Cholesterol">

description = <"Actual value of the result.">

>

["id2.3"] = <

text = <"Ratio">

description = <"Actual value of the result.">

>

["id2.4"] = <

text = <"Triglyceride">

description = <"Actual value of the result.">

>

["id2.5"] = <

text = <"Total cholesterol">

description = <"Actual value of the result.">

>

["id3.1"] = <

text = <"LDL Cholesterol Result">

description = <"Specific detailed result, including both the value of the result item, and additional information that may be useful for clinical interpretation.">

>

["id3.2"] = <

text = <"HDL Cholesterol Result">

description = <"Specific detailed result, including both the value of the result item, and additional information that may be useful for clinical interpretation.">

>

["id3.3"] = <

text = <"Ratio Result">

description = <"Specific detailed result, including both the value of the result item, and additional information that may be useful for clinical interpretation.">

>

["id3.4"] = <

text = <"Triglyceride Result">

description = <"Specific detailed result, including both the value of the result item, and additional information that may be useful for clinical interpretation.">

>

["id3.5"] = <

text = <"Total Result">

description = <"Specific detailed result, including both the value of the result item, and additional information that may be useful for clinical interpretation.">

>

["id3.6"] = <

text = <"! - Laboratory Result">

description = <"Specific detailed result, including both the value of the result item, and additional information that may be useful for clinical interpretation.">

>

["at0.1"] = <

text = <"(added by post-parse processor)">

description = <"(added by post-parse processor)">

>

>

>

#### Lab Test Panel Lipid Studies AML

### Lab Test Panel Example

#### Lab Test Panel ADL Diagram

#### Lab Test Panel ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-CLUSTER.lab\_test\_panel.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Ian McNicoll">

["organisation"] = <"freshEHR Clinical Informatics, UK">

["email"] = <"ian@freshehr.com">

["date"] = <"2014-04-18">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Parent for flattening tests on lab-style archetypes">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"(c) 2014 openEHR Foundation">

definition

CLUSTER[id1] matches { -- Laboratory test panel

items matches {

CLUSTER[id3] matches { -- Laboratory Result

items matches {

ELEMENT[id2] occurrences matches {0..1} -- Result Value

ELEMENT[id4] matches { -- Result Comment

value matches {

DV\_TEXT[id15]

}

}

ELEMENT[id5] occurrences matches {0..1} matches { -- Reference Range Guidance

value matches {

DV\_TEXT[id16]

}

}

ELEMENT[id6] occurrences matches {0..1} matches { -- Result Value Status

value matches {

DV\_CODED\_TEXT[id17] matches {

defining\_code matches {[ac1]} -- Result Value Status (synthesised)

}

}

}

ELEMENT[id7] occurrences matches {0..1} matches { -- DateTime Result Value Status

value matches {

DV\_DATE\_TIME[id18]

}

}

}

}

allow\_archetype CLUSTER[id14] matches { -- Other Detail

include

archetype\_id/value matches {/.\*/}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Laboratory test panel">

description = <"Laboratory test results as a single value or in a panel/battery format common to clinical pathology testing.">

>

["id2"] = <

text = <"Result Value">

description = <"Actual value of the result.">

>

["id3"] = <

text = <"Laboratory Result">

description = <"Specific detailed result, including both the value of the result item, and additional information that may be useful for clinical interpretation.">

>

["id4"] = <

text = <"Result Comment">

description = <"Comment about the Result.">

>

["id5"] = <

text = <"Reference Range Guidance">

description = <"Additional advice on the applicability of the reference range.">

>

["id6"] = <

text = <"Result Value Status">

description = <"The status of the result value.">

>

["id7"] = <

text = <"DateTime Result Value Status">

description = <"The date and/or time that the entire result was issued for the recorded ‘Result value status’.">

>

["at8"] = <

text = <"Registered">

description = <"No result yet available.">

>

["at9"] = <

text = <"Interim">

description = <"This is an initial or interim result: data may be missing or verification not been performed.">

>

["at10"] = <

text = <"Final">

description = <"The result is complete and verified by the responsible pathologist.">

>

["at11"] = <

text = <"Amended">

description = <"The result has been modified subsequent to being Final, and is complete and verified by the responsible pathologist.">

>

["at12"] = <

text = <"Cancelled/Aborted">

description = <"The result is unavailable because the test was not started or not completed.">

>

["at13"] = <

text = <"Not requested">

description = <"The result is not available as the test was not requested.">

>

["id14"] = <

text = <"Other Detail">

description = <"Further details including the specimen for the panel or a further nested panel.">

>

["ac1"] = <

text = <"Result Value Status (synthesised)">

description = <"The status of the result value. (synthesised)">

>

>

>

value\_sets = <

["ac1"] = <

id = <"ac1">

members = <"at8", "at9", "at10", "at11", "at12", "at13">

>

>

#### Lab Test Panel AML

### Request Pathology Test Example

#### Request Pathology Test ADL Diagram

#### Request Pathology Test ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-INSTRUCTION.request-pathology\_test.v1.0.0

specialize

openEHR-EHR-INSTRUCTION.request.v1

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Ian McNicoll">

["organisation"] = <"Ocean Informatics, United Kingdom">

["email"] = <"ian.mcnicoll@oceaninformatics.com">

["date"] = <"08/12/2009">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test flattening when child archetype contains a differential path with an overridden id code">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"© openEHR">

definition

INSTRUCTION[id1.1] matches { -- PathologyTest Request

/activities[id2]/description[id10]/items[id122.1]/name matches {

DV\_TEXT[id0.146]

}

/activities[id2]/description[id10]/items[id136.1]/name matches {

DV\_TEXT[id0.147]

}

}

terminology

term\_definitions = <

["en"] = <

["id1.1"] = <

text = <"PathologyTest Request">

description = <"Generic request for a pathology request.">

>

["id122.1"] = <

text = <"Pathology Test Requested">

description = <"Identification of the pathology test requested. This is often coded with an external terminology.">

>

["id136.1"] = <

text = <"Description of Test">

description = <"A detailed narrative description of the pathology test requested.">

>

>

>

#### Request Pathology Test AML

### Request Example

#### Request ADL Diagram

#### Request ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-INSTRUCTION.request.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Dr Ian McNicoll">

["organisation"] = <"Ocean Informatics, United Kingdom">

["email"] = <"ian.mcnicoll@oceaninformatics.com">

["date"] = <"08/12/2009">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test flattening when child archetype contains a differential path with an overridden id code">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"© openEHR">

definition

INSTRUCTION[id1] matches { -- Healthcare service request

activities matches {

ACTIVITY[id2] occurrences matches {1..\*} matches { -- Request

description matches {

ITEM\_TREE[id10] matches {

items cardinality matches {1..\*; unordered} matches {

ELEMENT[id122] matches { -- Service requested

value matches {

DV\_TEXT[id146]

}

}

ELEMENT[id136] occurrences matches {0..1} matches { -- Description of service

value matches {

DV\_TEXT[id147]

}

}

}

}

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Healthcare service request">

description = <"Request for a range of different healthcare services, for example, a referral, lab request, equipment request.">

>

["id2"] = <

text = <"Request">

description = <"Current Activity.">

>

["id122"] = <

text = <"Service requested">

description = <"Identification of the service requested. This is often coded with an external terminology.">

>

["id136"] = <

text = <"Description of service">

description = <"A detailed narrative description of the service requested.">

>

>

>

#### Request AML

### Flat Test Parent 1 – Add Node Use Node Example

#### Flat Test Parent 1 – Add Node Use Node ADL Diagram

#### Flat Test Parent 1 – Add Node Use Node ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.flat\_test\_parent\_1-add\_node\_use\_node.v1.0.0

specialize

openEHR-EHR-OBSERVATION.flat\_test\_parent\_1.v1

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Ian McNicoll">

["organisation"] = <"Ocean Informatics, United Kingdom">

["email"] = <"ian.mcnicoll@oceaninformatics.com">

["date"] = <"2009-11-07">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Flattening test: test differential path containing terminal attribute not in parent ('state'); test internal references to path in flat parent and path in current archetype.">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

OBSERVATION[id1.1] matches { -- Blood Glucose Test Result

/data[id2]/events[id3]/state matches {

ITEM\_TREE[id0.8] matches {

items matches {

ELEMENT[id0.9] occurrences matches {0..1} matches { -- Fasting state

value matches {

DV\_BOOLEAN[id0.17] matches {

value matches {True}

}

}

}

}

}

}

/data[id2]/events matches {

POINT\_EVENT[id0.2] occurrences matches {0..1} matches { -- Baseline Measurement

offset matches {

DV\_DURATION[id0.21] matches {

value matches {PT0S}

}

}

data matches {

use\_node ITEM\_TREE[id0.22] /data[id2]/events[id3]/data[id4] -- /data[id2]/events[id3]/data[id4]

}

state matches {

use\_node ITEM\_TREE[id0.23] /data[id2]/events[id3]/state[id0.8] -- /data[id2]/events[id3]/state[id0.8]

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id0.2"] = <

text = <"Baseline Measurement">

description = <"Specific point in time measurement which provides a reference glucose reading against which subsequent measurements can be compared.">

>

["id0.3"] = <

text = <"1 Hour Measurement">

description = <"Specific point in time measurement taken 1 hour after the Baseline Measurement and subsequent glucose/insulin challenge.">

>

["id0.5"] = <

text = <"2 Hour Measurement">

description = <"Specific point in time measurement taken 2 hours after the Baseline Measurement and subsequent glucose/insulin challenge.">

>

["id0.9"] = <

text = <"Fasting state">

description = <"Fasting state">

>

["id1.1"] = <

text = <"Blood Glucose Test Result">

description = <"The findings and interpretation of glucose tests performed on plasma, serum or whole blood.">

>

>

>

#### Flat Test Parent 1 – Add Node Use Node AML

### Flat Test Parent 1 Example

#### Flat Test Parent 1 ADL Diagram

#### Flat Test Parent 1 ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.flat\_test\_parent\_1.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Ian McNicoll">

["organisation"] = <"Ocean Informatics, United Kingdom">

["email"] = <"ian.mcnicoll@oceaninformatics.com">

["date"] = <"2009-11-07">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Parent of archetypes for flattening tests">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"© openEHR Foundation">

definition

OBSERVATION[id1] matches { -- Pathology Test Result

data matches {

HISTORY[id2] matches {

events cardinality matches {1..\*; unordered} matches {

EVENT[id3] matches { -- Any event

data matches {

ITEM\_TREE[id4] matches {

items cardinality matches {2..\*; unordered} matches {

ELEMENT[id6] matches { -- Test Result Name

value matches {

DV\_TEXT[id112]

}

}

}

}

}

}

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Pathology Test Result">

description = <"The findings and interpretation of pathology tests performed on patient-related specimens.">

>

["id3"] = <

text = <"Any event">

description = <"Any event.">

>

["id6"] = <

text = <"Test Result Name">

description = <"Identification of the pathology test performed, sometimes including specimen type and patient state.">

>

>

>

#### Flat Test Parent 1 AML

### Flattening Parent 1 Example

#### Flattening Parent 1 ADL Diagram

#### Flattening Parent 1 ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.flattening\_parent\_1.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Heather Leslie">

["organisation"] = <"Ocean Informatics">

["email"] = <"heather.leslie@oceaninformatics.com">

["date"] = <"6/05/2009">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Overwrite parent 'matches-any' node (id13) with 2 child nodes.">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"© openEHR Foundation">

definition

OBSERVATION[id1] matches { -- Substance Use

data matches {

HISTORY[id2] matches {

events cardinality matches {1..\*; unordered} matches {

EVENT[id3] occurrences matches {0..1} matches { -- Any event

data matches {

ITEM\_TREE[id4] matches {

items matches {

ELEMENT[id5] occurrences matches {0..1} matches { -- Substance

value matches {

DV\_TEXT[id20]

}

}

CLUSTER[id11] occurrences matches {0..1} matches { -- Consumption details

items matches {

ELEMENT[id12] occurrences matches {0..1} matches { -- Form

value matches {

DV\_TEXT[id21]

}

}

ELEMENT[id19] occurrences matches {0..1} matches { -- Method of use

value matches {

DV\_TEXT[id22]

}

}

ELEMENT[id6] occurrences matches {0..1} matches { -- Frequency

value matches {

DV\_CODED\_TEXT[id23] matches {

defining\_code matches {[ac1]} -- Frequency

}

}

}

ELEMENT[id13] occurrences matches {0..\*} -- Amount

}

}

ELEMENT[id14] occurrences matches {0..1} matches { -- Triggers

value matches {

DV\_TEXT[id24]

}

}

allow\_archetype CLUSTER[id15] occurrences matches {0..\*} matches { -- Readiness for change

include

archetype\_id/value matches {/openEHR-EHR-CLUSTER\.change\.v1/}

}

ELEMENT[id17] occurrences matches {0..1} matches { -- Evidence of dependence

value matches {

DV\_TEXT[id25]

}

}

}

}

}

}

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Substance Use">

description = <"Generic archetype to record the actual use or consumption of a defined substance at the present time, a specific time or over a period of time. ">

>

["id3"] = <

text = <"Any event">

description = <"Any event">

>

["id5"] = <

text = <"Substance">

description = <"Identification of substance ">

>

["id6"] = <

text = <"Frequency">

description = <"Frequency of use of substance">

>

["at7"] = <

text = <"Daily use">

description = <"Used every day">

>

["at8"] = <

text = <"Weekly use">

description = <"Used at least weekly">

>

["at9"] = <

text = <"Irregular use">

description = <"Used irregularly">

>

["at10"] = <

text = <"No use">

description = <"Not used at all">

>

["id11"] = <

text = <"Consumption details">

description = <"Details about the consumption of the substance">

>

["id12"] = <

text = <"Form">

description = <"Form of the substance used">

>

["id13"] = <

text = <"Amount">

description = <"Amount of substance consumed. Data type can be further specified in specialised archetypes or in templates">

>

["id14"] = <

text = <"Triggers">

description = <"Identified triggers which stimulate or cause use">

>

["id15"] = <

text = <"Readiness for change">

description = <"Details about the readiness to change use or consumption of substance">

>

["id17"] = <

text = <"Evidence of dependence">

description = <"Description of any evidence of dependence on the substance">

>

["id19"] = <

text = <"Method of use">

description = <"Method of use or consumption of the substance">

>

["ac1"] = <

text = <"Frequency">

description = <"Frequency of use of substance">

>

>

>

value\_sets = <

["ac1"] = <

id = <"ac1">

members = <"at7", "at8", "at9", "at10">

>

>

#### Flattening Parent 1 AML

### Override To Multiple Example

#### Override To Multiple ADL Diagram

#### Override To Multiple ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.override\_to\_multiple.v1.0.0

specialize

openEHR-EHR-OBSERVATION.flattening\_parent\_1.v1

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Heather Leslie">

["organisation"] = <"Ocean Informatics">

["email"] = <"heather.leslie@oceaninformatics.com">

["date"] = <"6/05/2009">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"This is an archetype used to record details of the use of all common forms of tobacco. ">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"© openEHR Foundation">

definition

OBSERVATION[id1.1] matches { -- Tobacco Use

/data[id2]/events[id3]/data[id4]/items[id5]/value matches {

DV\_CODED\_TEXT[id20.1] matches {

defining\_code matches {[at0.2]}

}

}

/data[id2]/events[id3]/data[id4]/items[id11]/items[id12]/value matches {

DV\_CODED\_TEXT[id21.1] matches {

defining\_code matches {[ac0.1]} -- (added by post-parse processor)

}

}

/data[id2]/events[id3]/data[id4]/items[id11]/items matches {

ELEMENT[id13.1] matches { -- Number smoked

value matches {

DV\_QUANTITY[id0.5] matches {

property matches {[at0.7]}

units matches {"/h", "/d", "/wk"}

}

}

}

ELEMENT[id13.2] matches { -- Grams of tobacco

value matches {

DV\_QUANTITY[id0.6] matches {

property matches {[at0.8]}

units matches {"gm/d", "gm/wk"}

}

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["at0.2"] = <

text = <"Tobacco">

description = <"Tobacco used">

>

["at0.3"] = <

text = <"Cigarettes - manufactured">

description = <"Commercial, manufactured cigarettes">

>

["at0.4"] = <

text = <"Cigarettes - roll-your-own">

description = <"Home-made, roll-your-own cigarettes">

>

["at0.5"] = <

text = <"Cigars">

description = <"Commercial cigars">

>

["at0.6"] = <

text = <"Pipe">

description = <"Tobacco smoked within a pipe">

>

["id1.1"] = <

text = <"Tobacco Use">

description = <"Archetype to record the actual use or consumption of a tobacco at the present time, a specific time or over a period of time. ">

>

["id13.1"] = <

text = <"Number smoked">

description = <"Number of units containing tobacco consumed eg cigarettes or cigars">

>

["id13.2"] = <

text = <"Grams of tobacco">

description = <"Weight of tobacco consumed eg in a pipe">

>

["ac0.1"] = <

text = <"(added by post-parse processor)">

description = <"(added by post-parse processor)">

>

["ac0.2"] = <

text = <"(added by post-parse processor)">

description = <"(added by post-parse processor)">

>

["at0.7"] = <

text = <"Frequency">

description = <"Frequency">

>

["at0.8"] = <

text = <"Flow rate, mass">

description = <"Flow rate, mass">

>

>

>

term\_bindings = <

["openehr"] = <

["at0.7"] = <http://openehr.org/id/382>

["at0.8"] = <http://openehr.org/id/347>

>

>

value\_sets = <

["ac0.1"] = <

id = <"ac0.1">

members = <"at0.3", "at0.4", "at0.5", "at0.6">

>

["ac0.2"] = <

id = <"ac0.2">

members = <"at7", "at8", "at9", "at10">

>

>

#### Override To Multiple AML

## Identification Examples

### Full ID Example

#### Full ID ADL Diagram

#### Full ID ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

org.openehr::openEHR-EHR-OBSERVATION.full\_id\_1.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["organisation"] = <"Ocean Informatics">

["name"] = <"Thomas Beale">

["date"] = <"11/8/2013">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test full namespaced & versioned id">

>

>

lifecycle\_state = <"unmanaged">

copyright = <"Copyright (c) 2014 openEHR Foundation">

other\_details = <

["regression"] = <"PASS">

>

definition

OBSERVATION[id1] matches { -- top-level archetype

data

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"top-level archetype">

description = <"top level test archetype for specialisation lineage">

>

>

>

#### Full ID AML

### No NS Inherit NS Example

#### No NS Inherit NS ADL Diagram

#### No NS Inherit NS ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.no\_ns\_inherit\_ns.v1.0.0

specialize

org.openehr::openEHR-EHR-OBSERVATION.full\_id\_1.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["organisation"] = <"Ocean Informatics">

["name"] = <"Thomas Beale">

["date"] = <"11/8/2013">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test full namespaced & versioned id">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

OBSERVATION[id1.1] matches { -- specialised archetype

data matches {

HISTORY[id0.2]

}

}

terminology

term\_definitions = <

["en"] = <

["id1.1"] = <

text = <"specialised archetype">

description = <"specialised child archetype">

>

>

>

#### No NS Inherit NS AML

### NS Inherit NS Example

#### NS Inherit NS ADL Diagram

#### NS Inherit NS ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

org.openehr::openEHR-EHR-OBSERVATION.ns\_inherit\_ns.v1.0.0

specialize

org.openehr::openEHR-EHR-OBSERVATION.full\_id\_1.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["organisation"] = <"Ocean Informatics">

["name"] = <"Thomas Beale">

["date"] = <"11/8/2008">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test full namespaced & versioned id">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

OBSERVATION[id1.1] matches { -- specialised archetype

data matches {

HISTORY[id0.3]

}

}

terminology

term\_definitions = <

["en"] = <

["id1.1"] = <

text = <"specialised archetype">

description = <"specialised child archetype">

>

>

>

#### NS Inherit NS AML

### Other NS Inherit NS Example

#### Other NS Inherit NS ADL Diagram

#### Other NS Inherit NS ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

uk.gov.nhs::openEHR-EHR-OBSERVATION.other\_ns\_inherit\_ns.v1.0.0

specialize

org.openehr::openEHR-EHR-OBSERVATION.full\_id\_1.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["organisation"] = <"Ocean Informatics">

["name"] = <"Thomas Beale">

["date"] = <"11/8/2013">

>

copyright = <"Copyright (c) 2014 openEHR Foundation">

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test full namespaced & versioned id">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

OBSERVATION[id1.1] matches { -- specialised archetype

data matches {

HISTORY[id0.4]

}

}

terminology

term\_definitions = <

["en"] = <

["id1.1"] = <

text = <"specialised archetype">

description = <"specialised child archetype">

>

>

>

#### Other NS Inherit NS AML

## Meta Data Examples

### Child With OID Example

#### Child With OID Diagram

#### Child With OID ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2; uid=2.4.34.666.7.2)

openehr-TEST\_PKG-WHOLE.child\_with\_oid.v1.0.0

specialize

openehr-TEST\_PKG-WHOLE.parent\_with\_oid.v1

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"thomas.beale@oceaninformatics.com">

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

WHOLE[id1.1] matches { -- Child archetype with Oid

string\_attr1 matches {"test"}

}

terminology

term\_definitions = <

["en"] = <

["id1.1"] = <

text = <"Child archetype with Oid">

description = <"Oid child">

>

>

>

#### Child With OID AML

### Child With UID Example

#### Child With UID Diagram

#### Child With UID ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2; uid=A22E8ED5-81B9-46CC-AFF1-612F428F5447)

openehr-TEST\_PKG-WHOLE.child\_with\_uid.v1.0.0

specialize

openehr-TEST\_PKG-WHOLE.parent\_with\_uid.v1

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"thomas.beale@oceaninformatics.com">

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

WHOLE[id1.1] matches { -- Child archetype with Uid

string\_attr1 matches {"test"}

}

terminology

term\_definitions = <

["en"] = <

["id1.1"] = <

text = <"Child archetype with Uid">

description = <"Uid child">

>

>

>

#### Child With UID AML

### Child With UID And Other Meta Data Example

#### Child With UID And Other Meta Data ADL Diagram

#### Child With UID And Other Meta Data ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2; uid=15E82D77-7DB7-4F70-8D8E-EED6FF241B2D; child\_flag=true; some\_key=some\_replacement\_value; child\_key=xxxxx)

openehr-TEST\_PKG-WHOLE.child\_with\_uid\_and\_other\_metadata.v1.0.0

specialize

openehr-TEST\_PKG-WHOLE.parent\_with\_uid\_and\_other\_metadata.v1

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"thomas.beale@oceaninformatics.com">

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

WHOLE[id1.1] -- Parent archetype with uid

terminology

term\_definitions = <

["en"] = <

["id1.1"] = <

text = <"Parent archetype with uid">

description = <"Uid parent">

>

>

>

#### Child With UID And Other Meta Data AML

### Full Meta Data Example

#### Full Meta Data ADL Diagram

#### Full Meta Data ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openehr-test\_pkg-WHOLE.full\_meta\_data.v0.0.1

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale <thomas.beale@oceaninformatics.com>">

["organisation"] = <"Ocean Informatics <http://www.oceaninformatics.com>">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"This archetype demonstrates the use of governance meta-data.">

use = <"This archetype should be used on a clear day with no wind.">

misuse = <"This archetype should not be used around children or dogs.">

keywords = <"governance", "test">

original\_resource\_uri = <

["resource A"] = <"Some resource available in the English language <http://aaa.bbb/path/to/resource>">

["resource B"] = <"Some other resource available in the English language <http://aaa.bbb/path/to/resource>">

>

>

>

lifecycle\_state = <"unmanaged">

other\_contributors = <"Marcus Aurelius <marcus@aurelius.net>", "Augustus Caesar <augustus@caesars\_palace.net">

original\_namespace = <"org.archetypes-r-us">

original\_publisher = <"Archetype R Us">

custodian\_namespace = <"org.openehr">

custodian\_organisation = <"openEHR Foundation">

licence = <"Creative Commons CC-BY <https://creativecommons.org/licenses/by/3.0/>">

copyright = <"Copyright (c) 2014 openEHR Foundation">

resource\_package\_uri = <http://www.openehr.org/ckm/path/to/package>

ip\_acknowledgements = <

["loinc"] = <"This content from LOINC® is copyright © 1995 Regenstrief Institute, Inc. and the LOINC Committee, and available at no cost under the license at http://loinc.org/terms-of-use">

["snomedct"] = <"Content from SNOMED CT® is copyright © 2007 IHTSDO <ihtsdo.org>">

>

conversion\_details = <

["source\_model"] = <"CEM model xyz <http://location.in.clinicalelementmodels.com>">

["tool"] = <"cem2adl v6.3.0">

["time"] = <"2014-11-03T09:05:00">

>

references = <

["1"] = <"Barthel Scale <http://en.wikipedia.org/wiki/Barthel\_scale>">

["2"] = <"Barthel Index, the Internet Stroke Center <http://www.strokecenter.org/wp-content/uploads/2011/08/barthel.pdf>">

["3"] = <"O'Sullivan, Susan B; Schmitz, Thomas J (2007). Physical Rehabilitation, Fifth Edition. Philadelphia, PA: F.A. Davis Company. p. 385.">

>

other\_details = <

["regression"] = <"PASS">

>

definition

WHOLE[id1] -- -

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"-">

description = <"-">

>

>

>

#### Full Meta Data AML

### Parent With OID Example

#### Parent With OID ADL Diagram

#### Parent With OID ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2; uid=2.3.5.4.3.02.27)

openehr-TEST\_PKG-WHOLE.parent\_with\_oid.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"thomas.beale@oceaninformatics.com">

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

WHOLE[id1] -- Parent archetype with Oid

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Parent archetype with Oid">

description = <"Oid parent">

>

>

>

#### Parent With OID AML

### Parent With UID Example

#### Parent With UID ADL Diagram

#### Parent With UID ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2; uid=15E82D77-7DB7-4F70-8D8E-EED6FF241B2D)

openehr-TEST\_PKG-WHOLE.parent\_with\_uid.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"thomas.beale@oceaninformatics.com">

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

WHOLE[id1] -- Parent archetype with uid

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Parent archetype with uid">

description = <"Uid parent">

>

>

>

#### Parent With UID AML

### Parent With UID And Other Meta Data Example

#### Parent With UID And Other Meta Data ADL Diagram

#### Parent With UID And Other Meta Data ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2; uid=15E82D77-7DB7-4F70-8D8E-EED6FF241B2D; some\_flag=true; some\_key=some\_value; another\_key=another\_value)

openehr-TEST\_PKG-WHOLE.parent\_with\_uid\_and\_other\_metadata.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"thomas.beale@oceaninformatics.com">

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

WHOLE[id1] -- Parent archetype with uid

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Parent archetype with uid">

description = <"Uid parent">

>

>

>

#### Parent With UID And Other Meta Data AML

## RM Checking Examples

### RM Conforming RM Subtype Example

#### RM Conforming RM Subtype Diagram

#### RM Conforming RM Subtype ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.rm\_conforming\_rm\_subtype.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

["organisation"] = <"Ocean Informatics">

["email"] = <"thomas.beale@oceaninformatics.com">

["date"] = <"2009-03-18">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test for conformance of RM subtype (here: POINT\_EVENT) to statically declared RM type (EVENT). This archetype should pass validation.">

keywords = <"test", "RM checking">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

OBSERVATION[id1] matches { -- An Observation

data matches {

HISTORY[id5] matches {

events cardinality matches {1..\*; unordered} matches {

POINT\_EVENT[id2] occurrences matches {0..1} matches { -- A Point\_event

offset matches {

DV\_DURATION[id6] matches {

value matches {PT1M}

}

}

data matches {

ITEM\_LIST[id7] matches {

items cardinality matches {1..6; ordered} matches {

ELEMENT[id3] occurrences matches {0..1} -- Element #1

ELEMENT[id4] occurrences matches {0..1} -- Element #2

}

}

}

}

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"An Observation">

description = <"An Observation">

>

["id2"] = <

text = <"A Point\_event">

description = <"A Point\_event">

>

["id3"] = <

text = <"Element #1">

description = <"Element #1">

>

["id4"] = <

text = <"Element #2">

description = <"Element #2">

>

>

>

#### RM Conforming RM Subtype AML

### RM Correct Non Generic Example

#### RM Correct Non Generic Diagram

#### RM Correct Non Generic ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.rm\_correct\_non\_generic.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

["organisation"] = <"Ocean Informatics">

["email"] = <"thomas.beale@oceaninformatics.com">

["date"] = <"12/03/2009">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test for fully conforming archetype - should generate no errors">

keywords = <"test", "RM checker">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

OBSERVATION[id1] matches { -- an Observation

data matches {

HISTORY[id4] matches {

events cardinality matches {1..\*; unordered} matches {

EVENT[id3] occurrences matches {0..\*} matches { -- some Event

data matches {

ITEM\_LIST[id5]

}

}

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"an Observation">

description = <"an Observation">

>

["id3"] = <

text = <"some Event">

description = <"some Event">

>

>

>

#### RM Correct Non Generic AML

## RM Enum Types Examples

### Enum Type 1 Example

#### Enum Type 1 Diagram

#### Enum Type 1 ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.audiogram.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

["organisation"] = <"Ocean Informatics">

["email"] = <"thomas.beale@oceaninformatics.com">

["date"] = <"2014-06-10">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"To test enumerated type constraints">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"© 2014 openEHR Foundation">

definition

OBSERVATION[id1] matches { -- Enumeration test

data matches {

HISTORY[id2] matches {

events cardinality matches {1..\*; unordered} matches {

POINT\_EVENT[id3] occurrences matches {0..1} matches { -- Any event

data matches {

ITEM\_TREE[id4] matches {

items cardinality matches {1..\*; unordered} matches {

ELEMENT[id5] occurrences matches {0..1} matches { -- test enum 1

value matches {

DV\_PROPORTION[id6] matches {

numerator matches {|0.0..1.0|; 0.0}

is\_integral matches {False}

type matches {1}

}

}

}

ELEMENT[id7] occurrences matches {0..1} matches { -- test enum 2

value matches {

DV\_PROPORTION[id8] matches {

numerator matches {|0.0..1.0|; 0.0}

is\_integral matches {False}

type matches {2, 3}

}

}

}

}

}

}

}

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Enumeration test">

description = <"Enumeration test">

>

["id3"] = <

text = <"Any event">

description = <"Any unspecified point in time or interval event.">

>

["id5"] = <

text = <"test enum 1">

description = <"test enum 1">

>

["id7"] = <

text = <"test enum 2">

description = <"test enum 2">

>

>

>

#### Enum Type 1 AML

## RM Generics Examples

### Specimen Example

#### Specimen Diagram

#### Specimen ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-CLUSTER.specimen.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"thomas.beale@oceaninformatics.com">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test constraining of generic type">

>

>

lifecycle\_state = <"unmanaged">

copyright = <"Copyright (c) 2014 openEHR Foundation">

other\_details = <

["regression"] = <"PASS">

>

definition

CLUSTER[id1] matches { -- Specimen

items matches {

ELEMENT[id2] occurrences matches {0..1} matches { -- Datetime range

value matches {

DV\_INTERVAL<DV\_DATE\_TIME>[id3] matches {

upper matches {

DV\_DATE\_TIME[id4]

}

lower matches {

DV\_DATE\_TIME[id5]

}

}

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Specimen">

description = <"unknown">

>

["id2"] = <

text = <"Datetime range">

description = <"Date/time range">

>

>

>

#### Specimen AML

## Rules Examples

### Rules Formulae Example

#### Rules Formulae Diagram

#### Rules Formulae ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.rules\_formulae.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

["organisation"] = <"Ocean Informatics">

["email"] = <"thomas.beale@oceaninformatics.com">

["date"] = <"22/01/2014">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"To test rules that define formulae based on archetype data points">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"© openEHR Foundation">

definition

OBSERVATION[id1] matches { -- Blood Pressure

data matches {

HISTORY[id2] matches { -- history

events cardinality matches {1..\*; unordered} matches {

EVENT[id7] occurrences matches {0..\*} matches { -- any event

data matches {

ITEM\_TREE[id4] matches {

items matches {

ELEMENT[id5] occurrences matches {0..1} matches { -- Systolic

value matches {

DV\_QUANTITY[id1054] matches {

property matches {[at1055]}

magnitude matches {|0.0..<1000.0|}

units matches {"mm[Hg]"}

precision matches {0}

}

}

}

ELEMENT[id6] occurrences matches {0..1} matches { -- Diastolic

value matches {

DV\_QUANTITY[id1055] matches {

property matches {[at1055]}

magnitude matches {|0.0..<1000.0|}

units matches {"mm[Hg]"}

precision matches {0}

}

}

}

ELEMENT[id1007] occurrences matches {0..1} matches { -- Mean Arterial Pressure

value matches {

DV\_QUANTITY[id1056] matches {

property matches {[at1055]}

magnitude matches {|0.0..<1000.0|}

units matches {"mm[Hg]"}

precision matches {0}

}

}

}

ELEMENT[id1008] occurrences matches {0..1} matches { -- Pulse Pressure

value matches {

DV\_QUANTITY[id1057] matches {

property matches {[at1055]}

magnitude matches {|0.0..<1000.0|}

units matches {"mm[Hg]"}

precision matches {0}

}

}

}

ELEMENT[id34] occurrences matches {0..1} matches { -- Comment

value matches {

DV\_TEXT[id1058]

}

}

}

}

}

state matches {

ITEM\_TREE[id8] matches {

items matches {

ELEMENT[id9] occurrences matches {0..1} matches { -- Position

value matches {

DV\_CODED\_TEXT[id1059] matches {

defining\_code matches {[ac1; at1002]} -- Position

}

}

}

ELEMENT[id1053] occurrences matches {0..1} matches { -- Confounding factors

value matches {

DV\_TEXT[id1060]

}

}

allow\_archetype CLUSTER[id1031] occurrences matches {0..1} matches { -- Exertion

include

archetype\_id/value matches {/openEHR-EHR-CLUSTER\.level\_of\_exertion(-a-zA-Z0-9\_]+)\*\.v1/}

}

ELEMENT[id1044] occurrences matches {0..1} matches { -- Sleep status

value matches {

DV\_CODED\_TEXT[id1061] matches {

defining\_code matches {[ac2; at1045]} -- Sleep status

}

}

}

ELEMENT[id1006] occurrences matches {0..1} matches { -- Tilt

value matches {

DV\_QUANTITY[id1062] matches {

property matches {[at1059]}

magnitude matches {|-90.0..90.0|}

units matches {"°"}

precision matches {0}

}

}

}

}

}

}

}

INTERVAL\_EVENT[id1043] occurrences matches {0..1} matches { -- 24 hour average

math\_function matches {

DV\_CODED\_TEXT[id1063] matches {

defining\_code matches {[at1060]}

}

}

width matches {

DV\_DURATION[id1064] matches {

value matches {PT24H}

}

}

data matches {

use\_node ITEM\_TREE[id1065] /data[id2]/events[id7]/data[id4] -- /data[history]/events[any event]/data[id4]

}

state matches {

use\_node ITEM\_TREE[id1066] /data[id2]/events[id7]/state[id8] -- /data[history]/events[any event]/state[id8]

}

}

}

}

}

protocol matches {

ITEM\_TREE[id12] matches { -- list structure

items matches {

ELEMENT[id14] occurrences matches {0..1} matches { -- Cuff size

value matches {

DV\_CODED\_TEXT[id1067] matches {

defining\_code matches {[ac3]} -- Cuff size

}

}

}

CLUSTER[id1034] occurrences matches {0..1} matches { -- Location

items matches {

ELEMENT[id15] occurrences matches {0..1} matches { -- Location of measurement

value matches {

DV\_CODED\_TEXT[id1068] matches {

defining\_code matches {[ac4]} -- Location of measurement

}

}

}

ELEMENT[id1035] occurrences matches {0..1} matches { -- Specific location

value matches {

DV\_TEXT[id1069]

}

}

}

}

ELEMENT[id1036] occurrences matches {0..1} matches { -- Method

value matches {

DV\_CODED\_TEXT[id1070] matches {

defining\_code matches {[ac5]} -- Method

}

}

}

ELEMENT[id1039] occurrences matches {0..1} matches { -- Mean Arterial Pressure Formula

value matches {

DV\_TEXT[id1071]

}

}

ELEMENT[id1011] occurrences matches {0..1} matches { -- Diastolic endpoint

value matches {

DV\_CODED\_TEXT[id1072] matches {

defining\_code matches {[ac6]} -- Diastolic endpoint

}

}

}

allow\_archetype CLUSTER[id1026] occurrences matches {0..1} matches { -- Device

include

archetype\_id/value matches {/openEHR-EHR-CLUSTER\.device(-a-zA-Z0-9\_]+)\*\.v1/}

}

}

}

}

}

rules

mean\_arterial\_pressure: /data[id2]/events[id7]/data[id4]/items[id1007]/value/magnitude = /data[id2]/events[id7]/data[id4]/items[id6]/value/magnitude + 0.33 \* /data[id2]/events[id7]/data[id4]/items[id5]/value/magnitude - /data[id2]/events[id7]/data[id4]/items[id6]/value/magnitude

pulse\_pressure: /data[id2]/events[id7]/data[id4]/items[id1008]/value/magnitude = /data[id2]/events[id7]/data[id4]/items[id5]/value/magnitude - /data[id2]/events[id7]/data[id4]/items[id6]/value/magnitude

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Blood Pressure">

description = <"The local measurement of arterial blood pressure which is a surrogate for arterial. pressure in the systemic circulation. Most commonly, use of the term 'blood pressure' refers to measurement of brachial artery pressure in the upper arm.">

>

["id2"] = <

text = <"history">

description = <"history Structural node">

>

["id5"] = <

text = <"Systolic">

description = <"Peak systemic arterial blood pressure - measured in systolic or contraction phase of the heart cycle.">

>

["id6"] = <

text = <"Diastolic">

description = <"Minimum systemic arterial blood pressure - measured in the diastolic or relaxation phase of the heart cycle.">

>

["id7"] = <

text = <"any event">

description = <"Default event">

>

["id9"] = <

text = <"Position">

description = <"The position of the subject at the time of measurement.">

>

["id12"] = <

text = <"list structure">

description = <"list structure">

>

["id14"] = <

text = <"Cuff size">

description = <"The size of the cuff used for blood pressure measurement. ">

>

["id15"] = <

text = <"Location of measurement">

description = <"Common body sites where blood pressure is recorded.">

>

["at16"] = <

text = <"Adult Thigh">

description = <"A cuff used for an adult thigh - bladder approx 20cm x 42cm.">

>

["at17"] = <

text = <"Large Adult">

description = <"A cuff for adults with larger arms - bladder approx 16cm x 38cm.">

>

["at18"] = <

text = <"Adult">

description = <"A cuff that is standard for an adult - bladder approx 13cm x 30cm.">

>

["at26"] = <

text = <"Right arm">

description = <"The right arm of the person.">

>

["at27"] = <

text = <"Left arm">

description = <"The left arm of the person.">

>

["at28"] = <

text = <"Right thigh">

description = <"The right thigh of the person.">

>

["at29"] = <

text = <"Left thigh">

description = <"The left thigh of the person.">

>

["id34"] = <

text = <"Comment">

description = <"Comment on blood pressure measurement.">

>

["at1001"] = <

text = <"Standing">

description = <"Standing at the time of blood pressure measurement.">

>

["at1002"] = <

text = <"Sitting">

description = <"Sitting (for example on bed or chair) at the time of blood pressure measurement.">

>

["at1003"] = <

text = <"Reclining">

description = <"Reclining at the time of blood pressure measurement.">

>

["at1004"] = <

text = <"Lying">

description = <"Lying flat at the time of blood pressure measurement.">

>

["id1006"] = <

text = <"Tilt">

description = <"The craniocaudal tilt of the surface on which the person is lying at the time of measurement.">

>

["id1007"] = <

text = <"Mean Arterial Pressure">

description = <"The average arterial pressure that occurs over the entire course of the heart contraction and relaxation cycle.">

>

["id1008"] = <

text = <"Pulse Pressure">

description = <"The difference between the systolic and diastolic pressure.">

>

["at1009"] = <

text = <"Small Adult">

description = <"A cuff used for a small adult - bladder approx 10cm x 24cm.">

>

["at1010"] = <

text = <"Paediatric/Child">

description = <"A cuff that is appropriate for a child or adult with a thin arm - bladder approx 8cm x 21cm.">

>

["id1011"] = <

text = <"Diastolic endpoint">

description = <"Record which Korotkoff sound is used for determining diastolic pressure using auscultative method.">

>

["at1012"] = <

text = <"Phase IV">

description = <"The fourth Korotkoff sound is identified as an abrupt muffling of sounds.">

>

["at1013"] = <

text = <"Phase V">

description = <"The fifth Korotkoff sound is identified by absence of sounds as the cuff pressure drops below the diastolic blood pressure.">

>

["at1015"] = <

text = <"Lying with tilt to left">

description = <"Lying flat with some lateral tilt, usually angled towards the left side. Commonly required in the last trimester of pregnancy to relieve aortocaval compression.">

>

["at1019"] = <

text = <"Infant">

description = <"A cuff used for infants - bladder approx 5cm x 15cm.">

>

["at1020"] = <

text = <"Neonatal">

description = <"A cuff used for a neonate, assuming cuff is the appropriate size for maturity and birthweight of the neonate.">

>

["at1021"] = <

text = <"Right wrist">

description = <"The right wrist of the subject.">

>

["at1022"] = <

text = <"Left wrist">

description = <"The left wrist of the subject.">

>

["id1026"] = <

text = <"Device">

description = <"Details about sphygmomanometer or other device used to measure the blood pressure.">

>

["at1027"] = <

text = <"Right ankle">

description = <"The right ankle of the subject.">

>

["id1031"] = <

text = <"Exertion ">

description = <"Details about physical activity undertaken at the time of blood pressure.measurement.">

>

["at1032"] = <

text = <"Left ankle">

description = <"The left ankle of the subject.">

>

["at1033"] = <

text = <"Finger">

description = <"A finger of the subject. Identification of the finger can be recorded in 'Specific Location' data element, if required.">

>

["id1034"] = <

text = <"Location">

description = <"Body location where blood pressure is measured. Use 'Location of measurement' to select from common sites. Use 'Specific location' to record more specific details or a site that is not in the common set or to refer to an external terminology.">

>

["id1035"] = <

text = <"Specific location">

description = <"Specific details about the body site where blood pressure is recorded.">

>

["id1036"] = <

text = <"Method">

description = <"Method of measurement of blood pressure.">

>

["at1037"] = <

text = <"Auscultation">

description = <"Method of measuring blood pressure externally, using a stethoscope and Korotkoff sounds.">

>

["at1038"] = <

text = <"Palpation">

description = <"Method of measuring blood pressure externally, using palpation (usually of the brachial or radial arteries).">

>

["id1039"] = <

text = <"Mean Arterial Pressure Formula">

description = <"Formula used to calculate the MAP (if recorded in data).">

>

["at1040"] = <

text = <"Machine">

description = <"Method of measuring blood pressure externally, using a blood pressure machine.">

>

["at1041"] = <

text = <"Invasive">

description = <"Method of measuring blood pressure internally ie involving penetration of the skin and measuring inside blood vessels.">

>

["id1043"] = <

text = <"24 hour average ">

description = <"Estimate of the average blood pressure over a 24 hour period.">

>

["id1044"] = <

text = <"Sleep status">

description = <"Sleep status - supports interpretation of 24 hour ambulatory blood pressure records. ">

>

["at1045"] = <

text = <"Alert & awake">

description = <"Subject is fully conscious.">

>

["at1046"] = <

text = <"Sleeping">

description = <"Subject is in the natural state of bodily rest.">

>

["at1052"] = <

text = <"Toe">

description = <"A toe of the subject. Identification of the toe can be recorded in 'Specific Location' data element, if required.">

>

["id1053"] = <

text = <"Confounding factors">

description = <"Comment on and record other incidental factors that may be contributing to the blood pressure measurement. For example, level of anxiety or 'white coat syndrome'; pain or fever; changes in atmospheric pressure etc.">

>

["at1054"] = <

text = <"Intra-arterial">

description = <"Invasive measurement via transducer access line within an artery. Location of the transducer can be recorded in 'Specific Location' data element, if required.">

>

["ac1"] = <

text = <"Position">

description = <"The position of the subject at the time of measurement.">

>

["ac2"] = <

text = <"Sleep status">

description = <"Sleep status - supports interpretation of 24 hour ambulatory blood pressure records. ">

>

["ac3"] = <

text = <"Cuff size">

description = <"The size of the cuff used for blood pressure measurement. ">

>

["ac4"] = <

text = <"Location of measurement">

description = <"Common body sites where blood pressure is recorded.">

>

["ac5"] = <

text = <"Method">

description = <"Method of measurement of blood pressure.">

>

["ac6"] = <

text = <"Diastolic endpoint">

description = <"Record which Korotkoff sound is used for determining diastolic pressure using auscultative method.">

>

["at1055"] = <

text = <"pressure">

description = <"pressure">

>

["at1058"] = <

text = <"(added by post-parse processor)">

description = <"(added by post-parse processor)">

>

["at1059"] = <

text = <"(added by post-parse processor)">

description = <"(added by post-parse processor)">

>

["at1060"] = <

text = <"(added by post-parse processor)">

description = <"(added by post-parse processor)">

>

>

>

term\_bindings = <

["SNOMED-CT"] = <

["id1"] = <http://snomedct.info/id/163020007>

["id5"] = <http://snomedct.info/id/163030003>

["id6"] = <http://snomedct.info/id/163031004>

["id14"] = <http://snomedct.info/id/246153002>

>

["openehr"] = <

["at1055"] = <http://openehr.org/id/125>

["at1059"] = <http://openehr.org/id/497>

["at1060"] = <http://openehr.org/id/146>

>

>

value\_sets = <

["ac1"] = <

id = <"ac1">

members = <"at1001", "at1002", "at1003", "at1004", "at1015">

>

["ac2"] = <

id = <"ac2">

members = <"at1045", "at1046">

>

["ac3"] = <

id = <"ac3">

members = <"at16", "at17", "at18", "at1009", "at1010", "at1019", "at1020">

>

["ac4"] = <

id = <"ac4">

members = <"at26", "at27", "at28", "at29", "at1021", "at1022", "at1027", "at1032", "at1033", "at1052", "at1054">

>

["ac5"] = <

id = <"ac5">

members = <"at1037", "at1038", "at1040", "at1041">

>

["ac6"] = <

id = <"ac6">

members = <"at1012", "at1013">

>

>

#### Rules Formulae AML

## Single Alternatives Examples

### Quantity Alternatives Example

#### Quantity Alternatives Diagram

#### Quantity Alternatives ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2; generated)

openEHR-EHR-CLUSTER.quantity\_altenatives.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

lifecycle\_state = <"unmanaged">

original\_author = <

["name"] = <"Ian McNicoll">

["organisation"] = <"Ocean Informatics">

["email"] = <"ian.mcnicoll@oceaninformatics.com">

["date"] = <"2009-06-08">

>

copyright = <"© openEHR Foundation">

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"To record the amount of oxygen being delivered to the subject at the time of observation. Assumed values of 21% O2, Fi02 of 0.21 and Oxygen flow rate of zero.">

use = <"May be used within an ACTION archetype to specificy oxygen therapy , or within OBSERVATION archetypes such as Blood gases or Respirations, as part of patient state, where knowledge of ambient oxygen status is critical to interpretation of the observation.">

keywords = <"breathing", "oxygen">

misuse = <"">

>

>

other\_details = <

["regression"] = <"pass">

>

definition

CLUSTER[id1] matches { -- Ambient oxygen

items matches {

ELEMENT[id52] occurrences matches {0..1} matches { -- Oxygen flow rate

value matches {

DV\_QUANTITY[id55] matches {

property matches {[at1]}

[magnitude, units, precision] matches {

[{|0.0..50.0|}, {"l/m"}, {1}],

[{|0.0..50000.0|}, {"ml/min"}, {1}]

}

}

}

}

ELEMENT[id54] occurrences matches {0..1} matches { -- un

value matches {

DV\_PROPORTION[id56] matches {

numerator matches {|0.0..1.0|; 0.21}

is\_integral matches {False}

type matches {1}

}

DV\_PROPORTION[id57] matches {

numerator matches {|0.0..100.0|; 21.0}

is\_integral matches {False}

type matches {2}

}

}

}

ELEMENT[id55] occurrences matches {0..1} matches { -- un

value matches {

DV\_PROPORTION[id58] matches {

[numerator, is\_integral, type] matches

{[{|0.0..1.0|; 0.21}, {False}, {1}],

[{|0.0..100.0|; 21.0}, {False}, {2}]}

}

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Ambient oxygen">

description = <"The amount of oxygen being delivered to the subject at the time of observation. Assumed values of 21% O2, Fi02 of 0.21 and Oxygen flow rate of zero.">

>

["id52"] = <

text = <"Oxygen flow rate">

description = <"Flow rate of inspired oxygen.">

>

["id54"] = <

text = <"Inspired O2 level [NON-CO-VARYING ALTERNATIVES]">

description = <"Inspired oxygen.">

>

["id55"] = <

text = <"Inspired O2 level [CO-VARYING ALTERNATIVES]">

description = <"Inspired oxygen.">

>

["id56"] = <

text = <"FiO2">

description = <"Fraction of inspired oxygen.">

>

["id57"] = <

text = <"Percent O2">

description = <"Percentage of inspired oxygen.">

>

["at1"] = <

text = <"Flow rate, volume">

description = <"Flow rate, volume">

>

>

>

term\_bindings = <

["openehr"] = <

["at1"] = <http://openehr.org/id/126>

>

>

#### Quantity Alternatives AML

### Multiple Alternatives Example

#### Multiple Alternatives Diagram

#### Multiple Alternatives ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.multiple\_alternatives.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["organisation"] = <"Ocean Informatics">

["name"] = <"Thomas Beale">

["date"] = <"11/8/2008">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test multiple alternative nodes of single-valued attribute; view in flat mode to see result">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

OBSERVATION[id1] matches { -- top-level archetype

protocol matches {

ITEM\_TREE[id2] -- protocol #1

ITEM\_TREE[id3] -- protocol #2

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"top-level archetype">

description = <"top level test archetype for specialisation lineage">

>

["id2"] = <

text = <"protocol #1">

description = <"protocol #1">

>

["id3"] = <

text = <"protocol #2">

description = <"protocol #2">

>

>

>

#### Multiple Alternatives AML

## Slots Examples

### Slot Include Any Exclude Empty Example

#### Slot Include Any Exclude Empty Diagram

#### Slot Include Any Exclude Empty ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-SECTION.slot\_include\_any\_exclude\_empty.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

["organisation"] = <"Ocean Informatics">

["email"] = <"thomas.beale@oceaninformatics.com">

["date"] = <"14/03/2010">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test slot archetype">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

SECTION[id1] matches { -- Slot section

items cardinality matches {1..\*; unordered} matches {

allow\_archetype OBSERVATION[id2] occurrences matches {0..1} matches { -- Vital signs

include

archetype\_id/value matches {/.\*/}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Slot section">

description = <"Slot section">

>

["id2"] = <

text = <"Vital signs">

description = <"Vital signs observations.">

>

>

>

#### Slot Include Any Exclude Empty AML

### Slot Include Any Exclude Non Any Example

#### Slot Include Any Exclude Non Any Diagram

#### Slot Include Any Exclude Non Any ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-SECTION.slot\_include\_any\_exclude\_non\_any.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

["organisation"] = <"Ocean Informatics">

["email"] = <"thomas.beale@oceaninformatics.com">

["date"] = <"14/03/2010">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test slot with any include and non-any exclude">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

SECTION[id1] matches { -- Slot section

items cardinality matches {1..\*; unordered} matches {

allow\_archetype OBSERVATION[id2] occurrences matches {0..1} matches { -- Vital signs

include

archetype\_id/value matches {/.\*/}

exclude

archetype\_id/value matches {/openEHR-EHR-OBSERVATION\.blood\_pressure([a-zA-Z0-9\_]+)\*\.v1/}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Slot section">

description = <"Slot section">

>

["id2"] = <

text = <"Vital signs">

description = <"Vital signs observations.">

>

>

>

#### Slot Include Any Exclude Non Any AML

### Slot Include Empty Exclude Any Example

#### Slot Include Empty Exclude Any Diagram

#### Slot Include Empty Exclude Any ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-SECTION.slot\_include\_empty\_exclude\_any.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

["organisation"] = <"Ocean Informatics">

["email"] = <"thomas.beale@oceaninformatics.com">

["date"] = <"14/03/2010">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test slot with no include and exclude = any">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

SECTION[id1] matches { -- Slot section

items cardinality matches {1..\*; unordered} matches {

allow\_archetype OBSERVATION[id2] occurrences matches {0..1} matches { -- Vital signs

exclude

archetype\_id/value matches {/.\*/}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Slot section">

description = <"Slot section">

>

["id2"] = <

text = <"Vital signs">

description = <"Vital signs observations.">

>

>

>

#### Slot Include Empty Exclude Any AML

### Slot Include Empty Exclude Empty Example

#### Slot Include Empty Exclude Empty Diagram

#### Slot Include Empty Exclude Empty ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-SECTION.slot\_include\_empty\_exclude\_empty.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

["organisation"] = <"Ocean Informatics">

["email"] = <"thomas.beale@oceaninformatics.com">

["date"] = <"14/03/2010">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test slot with no include or exclude">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

SECTION[id1] matches { -- Slot section

items cardinality matches {1..\*; unordered} matches {

allow\_archetype OBSERVATION[id2] occurrences matches {0..1} -- Vital signs

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Slot section">

description = <"Slot section">

>

["id2"] = <

text = <"Vital signs">

description = <"Vital signs observations.">

>

>

>

#### Slot Include Empty Exclude Empty AML

### Slot Include Empty Exclude Non Any Example

#### Slot Include Empty Exclude Non Any Diagram

#### Slot Include Empty Exclude Non Any ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-SECTION.slot\_include\_empty\_exclude\_non\_any.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

["organisation"] = <"Ocean Informatics">

["email"] = <"thomas.beale@oceaninformatics.com">

["date"] = <"14/03/2010">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test slot with no include and non-any exclude">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

SECTION[id1] matches { -- Slot section

items cardinality matches {1..\*; unordered} matches {

allow\_archetype OBSERVATION[id2] occurrences matches {0..1} matches { -- Vital signs

exclude

archetype\_id/value matches {/openEHR-EHR-OBSERVATION\.blood\_pressure([a-zA-Z0-9\_]+)\*\.v1/}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Slot section">

description = <"Slot section">

>

["id2"] = <

text = <"Vital signs">

description = <"Vital signs observations.">

>

>

>

#### Slot Include Empty Exclude Non Any AML

### Slot Include Non Any Exclude Any Example

#### Slot Include Non Any Exclude Any Diagram

#### Slot Include Non Any Exclude Any ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-SECTION.slot\_include\_non\_any\_exclude\_any.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

["organisation"] = <"Ocean Informatics">

["email"] = <"thomas.beale@oceaninformatics.com">

["date"] = <"14/03/2010">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test slot archetype with non-any include and exclude = any">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

SECTION[id1] matches { -- Slot section

items cardinality matches {1..\*; unordered} matches {

allow\_archetype OBSERVATION[id2] occurrences matches {0..1} matches { -- Vital signs

include

archetype\_id/value matches {/openEHR-EHR-OBSERVATION\.blood\_pressure([a-zA-Z0-9\_]+)\*\.v1/}

exclude

archetype\_id/value matches {/.\*/}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Slot section">

description = <"Slot section">

>

["id2"] = <

text = <"Vital signs">

description = <"Vital signs observations.">

>

>

>

#### Slot Include Non Any Exclude Any AML

### Slot Include Non Any Exclude Empty Example

#### Slot Include Non Any Exclude Empty Diagram

#### Slot Include Non Any Exclude Empty ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-SECTION.slot\_include\_non\_any\_exclude\_empty.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

["organisation"] = <"Ocean Informatics">

["email"] = <"thomas.beale@oceaninformatics.com">

["date"] = <"14/03/2010">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test slot archetype with non-any include and no exclude">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

SECTION[id1] matches { -- Slot section

items cardinality matches {1..\*; unordered} matches {

allow\_archetype OBSERVATION[id2] occurrences matches {0..1} matches { -- Vital signs

include

archetype\_id/value matches {/openEHR-EHR-OBSERVATION\.blood\_pressure([a-zA-Z0-9\_]+)\*\.v1|openEHR-EHR-OBSERVATION\.body\_temperature([a-zA-Z0-9\_]+)\*\.v1|openEHR-EHR-OBSERVATION\.heart\_rate([a-zA-Z0-9\_]+)\*\.v1|openEHR-EHR-OBSERVATION\.indirect\_oximetry([a-zA-Z0-9\_]+)\*\.v1|openEHR-EHR-OBSERVATION\.respiration([a-zA-Z0-9\_]+)\*\.v1/}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Slot section">

description = <"Slot section">

>

["id2"] = <

text = <"Vital signs">

description = <"Vital signs observations.">

>

>

>

#### Slot Include Non Any Exclude Empty AML

## Specialisation Examples

### Code List Constrained Example

#### Code List Constrained Diagram

#### Code List Constrained ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-EVALUATION.code\_list\_constrained.v1.0.0

specialize

openEHR-EHR-EVALUATION.code\_list\_parent.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

["date"] = <"20/02/2013">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Legal constraining of codes list from parent">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"copyright (c) 2013 openEHR Foundation">

definition

EVALUATION[id1.1] matches { -- Adverse reaction exclusions

/data[id2]/items[id3]/value/defining\_code matches {[ac1.1]} -- (added by post-parse processor)

}

terminology

term\_definitions = <

["en"] = <

["id1.1"] = <

text = <"Adverse reaction exclusions">

description = <"A category of conditions or states which have been excluded as cause of adverse reaction">

>

["ac1.1"] = <

text = <"(added by post-parse processor)">

description = <"(added by post-parse processor)">

>

>

>

value\_sets = <

["ac1.1"] = <

id = <"ac1.1">

members = <"at6", "at7", "at10", "at13">

>

>

#### Code List Constrained AML

### Code List Parent Example

#### Code List Parent Diagram

#### Code List Parent ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-EVALUATION.code\_list\_parent.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

["date"] = <"20/02/2013">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Archetype containing a C\_CODE\_PHRASE list which can be constrained by children">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"copyright (c) 2013 openEHR Foundation">

definition

EVALUATION[id1] matches { -- General statement of exclusions or states

data matches {

ITEM\_TREE[id2] matches {

items cardinality matches {1..\*; unordered} matches {

ELEMENT[id3] occurrences matches {1..\*} matches { -- Statement

value matches {

DV\_CODED\_TEXT[id4] matches {

defining\_code matches {[ac1]} -- Statement

}

}

}

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"General statement of exclusions or states">

description = <"A category of conditions or states which have been excluded">

>

["id3"] = <

text = <"Statement">

description = <"The statement about what is excluded">

>

["at4"] = <

text = <"No significant illness">

description = <"The person has no significant medical condition">

>

["at5"] = <

text = <"No significant past history">

description = <"The person has no significant past medical history">

>

["at6"] = <

text = <"No significant family history">

description = <"The person has no relatives with significant health problems">

>

["at7"] = <

text = <"No known adverse reactions">

description = <"The person has had no adverse reactions, including intolerances, sensitivities or allergies, to medications, food, animals or chemicals">

>

["at8"] = <

text = <"No known sensitivities">

description = <"No sensitivity to any medications, foods or substances">

>

["at9"] = <

text = <"No known intolerances">

description = <"No known or recorded intolerances to medications, foods or other substances">

>

["at10"] = <

text = <"No relevant past history">

description = <"No past problems or procedures relevant to the current situation">

>

["at11"] = <

text = <"No hospitalisations">

description = <"No admissions to hospital">

>

["at12"] = <

text = <"No major surgery">

description = <"No major operations or procedures">

>

["at13"] = <

text = <"No relevant family history">

description = <"No family history relevant to the current situation">

>

["at14"] = <

text = <"No known allergies">

description = <"No allergies known to any medications, foods or substances">

>

["ac1"] = <

text = <"Statement">

description = <"The statement about what is excluded">

>

>

>

value\_sets = <

["ac1"] = <

id = <"ac1">

members = <"at4", "at5", "at6", "at7", "at10", "at13", "at14", "at11", "at12", "at8", "at9">

>

>

#### Code List Parent AML

### Added Nodes Ordered Example

#### Added Nodes Ordered Diagram

#### Added Nodes Ordered ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.added\_nodes\_ordered.v1.0.0

specialize

openEHR-EHR-OBSERVATION.spec\_test\_parent.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["organisation"] = <"Ocean Informatics">

["name"] = <"Thomas Beale">

["date"] = <"11/8/2008">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test specialised archetype containing ordered extension nodes">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

OBSERVATION[id1.1] matches { -- specialisation containing ordered extension nodes

/data/events[id3]/data/items matches {

after [id5]

ELEMENT[id0.1] matches { -- Text field 2

value matches {

DV\_TEXT[id0.3] -- Text field 3

}

}

ELEMENT[id0.2] matches { -- Quantity 2

value matches {

DV\_QUANTITY[id0.4]

}

}

before [id8]

ELEMENT[id0.3] matches { -- Text field 3

value matches {

DV\_TEXT[id0.5]

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id0.1"] = <

text = <"Text field 2">

description = <"\*">

>

["id0.2"] = <

text = <"Quantity 2">

description = <"\*">

>

["id0.3"] = <

text = <"Text field 3">

description = <"\*">

>

["id1.1"] = <

text = <"specialisation containing ordered extension nodes">

description = <"specialisation containing ordered extension nodes">

>

>

>

#### Added Nodes Ordered AML

### Body Temp Test Example

#### Body Temp Test Diagram

#### Body Temp Test ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.body\_temp\_test.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

["organisation"] = <"Ocean Informatics">

["email"] = <"thomas.beale@oceaninformatics.com">

["date"] = <"18/04/2012">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"A parent archetype for testing various child refinements, including occurrences matches {0}. Content structure derived from openEHR Body Temperature archetype.">

use = <"Test">

keywords = <"test", "occurrences">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"© openEHR Foundation">

definition

OBSERVATION[id1] matches { -- Body temperature

data matches {

HISTORY[id3] matches {

events cardinality matches {1..\*; unordered} matches {

EVENT[id4] occurrences matches {0..\*} matches { -- Any event

data matches {

ITEM\_TREE[id2] matches {

items cardinality matches {1; unordered} matches {

ELEMENT[id5] matches { -- Temperature

value matches {

DV\_QUANTITY[id61] matches {

property matches {[at57]}

[units, precision] matches {

[{"°C"}, {1}],

[{"°F"}, {1}]

}

}

}

}

}

}

}

state matches {

ITEM\_TREE[id30] matches { -- State

items matches {

ELEMENT[id31] occurrences matches {0..1} matches { -- Body exposure

value matches {

DV\_CODED\_TEXT[id62] matches {

defining\_code matches {[ac1; at34]} -- Body exposure

}

}

}

allow\_archetype CLUSTER[id57] occurrences matches {0..1} matches { -- Environmental Conditions

include

archetype\_id/value matches {/openEHR-EHR-CLUSTER\.environmental\_conditions\.v1/}

}

allow\_archetype CLUSTER[id58] occurrences matches {0..1} matches { -- Exertion

include

archetype\_id/value matches {/openEHR-EHR-CLUSTER\.level\_of\_exertion\.v1/}

}

allow\_archetype ELEMENT[id59] occurrences matches {0..1} matches { -- Menstrual Cycle

include

archetype\_id/value matches {/openEHR-EHR-ELEMENT\.last\_normal\_menstrual\_period\.v1|openEHR-EHR-ELEMENT\.menstrual\_cycle\_day\.v1/}

}

ELEMENT[id42] occurrences matches {0..1} matches { -- Description of thermal stress

value matches {

DV\_TEXT[id63]

}

}

}

}

}

}

}

}

}

protocol matches {

ITEM\_TREE[id21] matches {

items matches {

ELEMENT[id22] occurrences matches {0..1} matches { -- Site of measurement

value matches {

DV\_CODED\_TEXT[id64] matches {

defining\_code matches {[ac2]} -- Site of measurement

}

}

}

allow\_archetype CLUSTER[id60] occurrences matches {0..1} matches { -- Device

include

archetype\_id/value matches {/openEHR-EHR-CLUSTER\.device\.v1/}

}

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Body temperature">

description = <"A measurement of the body temperature, which is a surrogate for the whole body temperature of the person.">

>

["id4"] = <

text = <"Any event">

description = <"Any event">

>

["id5"] = <

text = <"Temperature">

description = <"The measured body temperature (as a surrogate for the whole body).">

>

["id22"] = <

text = <"Site of measurement">

description = <"The anatomical site of measurement of the temperature.">

>

["at23"] = <

text = <"Mouth">

description = <"Temperature is measured within the mouth.">

>

["at24"] = <

text = <"Ear canal">

description = <"Temperature is measured from within the external auditory canal.">

>

["at25"] = <

text = <"Axilla">

description = <"Temperature is measured from the skin of the axilla with the arm positioned down by the side.">

>

["at26"] = <

text = <"Rectum">

description = <"Temperature measured within the rectum.">

>

["at27"] = <

text = <"Nasopharynx">

description = <"Temperature is measured within the nasopharynx.">

>

["at28"] = <

text = <"Urinary bladder">

description = <"Temperature is measured in the urinary bladder.">

>

["at29"] = <

text = <"Intravascular">

description = <"Temperature is measured within the vascular system.">

>

["id30"] = <

text = <"State">

description = <"State information about the patient.">

>

["id31"] = <

text = <"Body exposure">

description = <"The thermal situation of the person who is having the temperature taken.">

>

["at32"] = <

text = <"Naked">

description = <"No clothing, bedding or covering.">

>

["at33"] = <

text = <"Reduced clothing/bedding">

description = <"The person is covered by a lesser amount of clothing or bedding than deemed appropriate for the environmental circumstances.">

>

["at34"] = <

text = <"Appropriate clothing/bedding">

description = <"The person is covered by an amount of clothing or bedding deemed appropriate for the environmental circumstances.">

>

["at35"] = <

text = <"Increased clothing/bedding">

description = <"The person is covered by an increased amount of clothing or bedding than deemed appropriate for the environmental circumstances.">

>

["id42"] = <

text = <"Description of thermal stress">

description = <"Description of the conditions applied to the subject that might influence their measured body temperature.">

>

["at44"] = <

text = <"Skin">

description = <"Temperature is measured from exposed skin.">

>

["at52"] = <

text = <"Vagina">

description = <"Temperature is measured within the vagina.">

>

["at55"] = <

text = <"Oesophagus">

description = <"Temperatue is measured within the oesophagus.">

>

["at56"] = <

text = <"Inguinal skin crease">

description = <"Temperature is measured in the inguinal skin crease between the leg and abdominal wall.">

>

["id57"] = <

text = <"Environmental Conditions">

description = <"Details about the environmental conditions at the time of temperature measurement.">

>

["id58"] = <

text = <"Exertion">

description = <"Details about the exertion of the person at the time of temperature measurement.">

>

["id59"] = <

text = <"Menstrual Cycle">

description = <"Details about the menstrual cycle of a woman.">

>

["id60"] = <

text = <"Device">

description = <"Details about the device use to measure body temperature.">

>

["ac1"] = <

text = <"Body exposure">

description = <"The thermal situation of the person who is having the temperature taken.">

>

["ac2"] = <

text = <"Site of measurement">

description = <"The anatomical site of measurement of the temperature.">

>

["at57"] = <

text = <"Temperature">

description = <"Temperature">

>

>

>

term\_bindings = <

["LNC205"] = <

["/data[id3]/events[id4]/data[id2]/items[id5]"] = <http://LNC205.org/id/8310-5>

>

["openehr"] = <

["at57"] = <http://openehr.org/id/127>

>

>

value\_sets = <

["ac1"] = <

id = <"ac1">

members = <"at32", "at33", "at34", "at35">

>

["ac2"] = <

id = <"ac2">

members = <"at23", "at24", "at25", "at26", "at27", "at28", "at29", "at44", "at52", "at55", "at56">

>

>

#### Body Temp Test AML

### Child For Tuple Redefine To Tuple Example

#### Child For Tuple Redefine To Tuple Diagram

#### Child For Tuple Redefine To Tuple ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.child\_for\_tuple\_redefine\_to\_tuple.v1.0.0

specialize

openEHR-EHR-OBSERVATION.parent\_for\_tuple\_redefine.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Sam Heard">

["organisation"] = <"Ocean Informatics">

["email"] = <"sam.heard@oceaninformatics.com">

["date"] = <"28/06/2006">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Illustrate redefinition of tuple to narrower tuple">

>

>

lifecycle\_state = <"unmanaged">

copyright = <"© openEHR Foundation">

definition

OBSERVATION[id1.1] matches { -- Intravascular pressure redefined

/data[id2]/events[id3]/data[id4]/items[id16]/value matches {

DV\_ORDINAL[id43] matches {

[value, symbol] matches {

[{0}, {[at17]}],

[{6}, {[at20]}],

[{8}, {[at21]}]

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1.1"] = <

text = <"Intravascular pressure redefined">

description = <"The pressure in a specific location, blood vessel or heart cavity, at a specific phase of the heart or an average over the heart cycle.">

>

["ac0.1"] = <

text = <"Intravascular pressure redefined (synthesised)">

description = <"The pressure in a specific location, blood vessel or heart cavity, at a specific phase of the heart or an average over the heart cycle. (synthesised)">

>

>

>

value\_sets = <

["ac0.1"] = <

id = <"ac0.1">

members = <"at17", "at20", "at21">

>

>

#### Child For Tuple Redefine To Tuple AML

### Exist OCC 0 Example

#### Exist OCC 0 Diagram

#### Exist OCC 0 ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.exist\_occ\_0.v1.0.0

specialize

openEHR-EHR-OBSERVATION.body\_temp\_test.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Rong Chen">

["organisation"] = <"Cambio">

["date"] = <"18/04/2012">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Specialised archetype showing existence and occurrences matches {0}.">

use = <"Test">

keywords = <"test", "occurrences">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"© openEHR Foundation">

definition

OBSERVATION[id1.1] matches { -- Body temperature new GP

/data[id3]/events[id4]/state existence matches {0}

/protocol[id21]/items matches {

allow\_archetype CLUSTER[id60] occurrences matches {0}

}

}

terminology

term\_definitions = <

["en"] = <

["id1.1"] = <

text = <"Body temperature new GP">

description = <"A measurement of the body temperature, which is a surrogate for the whole body temperature of the person.">

>

>

>

#### Exist OCC 0 AML

### Intravascular Pressure 1 Example

#### Intravascular Pressure 1 Diagram

#### Intravascular Pressure 1 ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2; generated)

openEHR-EHR-OBSERVATION.intravascular\_pressure.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Sam Heard">

["organisation"] = <"Ocean Informatics">

["email"] = <"sam.heard@oceaninformatics.com">

["date"] = <"28/06/2006">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Intravascular venous, arterial, pulmonary or cardiac pressure measurement. Commonly specialised for specific common pressures such as JVP and CCP.">

use = <"">

keywords = <"pressure", "intravascular">

misuse = <"Not to be used for systemic blood pressure. Use 'observation.blood\_pressure' for this.">

>

>

lifecycle\_state = <"unmanaged">

other\_contributors = <"Ian McNicoll, Ocean Informatics, UK", ...>

other\_details = <

["references"] = <"">

["MD5-CAM-1.0.1"] = <"BC678AF024DE5FF4D72C90442F17A3A2">

>

copyright = <"© openEHR Foundation">

definition

OBSERVATION[id1] matches { -- Intravascular pressure

data matches {

HISTORY[id2] matches {

events cardinality matches {1..\*; unordered} matches {

EVENT[id3] occurrences matches {0..\*} matches { -- Any event

data matches {

ITEM\_TREE[id4] matches {

items cardinality matches {1; ordered} matches {

allow\_archetype CLUSTER[id37] occurrences matches {0..1} matches { -- Location

include

archetype\_id/value matches {/openEHR-EHR-CLUSTER\.anatomical\_location(-a-zA-Z0-9\_]+)\*\.v1/}

exclude

archetype\_id/value matches {/.\*/}

}

ELEMENT[id6] occurrences matches {0..1} matches { -- Pressure

value matches {

DV\_QUANTITY[id42] matches {

property matches {[at29]}

[magnitude, units, precision] matches {

[{|>=0.0|}, {"mm[Hg]"}, {2}],

[{|>=0.0|}, {"cm[H20]"}, {2}]

}

}

}

}

ELEMENT[id16] occurrences matches {0..1} matches { -- Relative pressure

value matches {

DV\_ORDINAL[id43] matches {

[value, symbol] matches {

[{0}, {[at17]}],

[{2}, {[at18]}],

[{4}, {[at19]}],

[{6}, {[at20]}],

[{8}, {[at21]}]

}

}

}

}

ELEMENT[id8] occurrences matches {0..1} matches { -- Phase of heart cycle

value matches {

DV\_CODED\_TEXT[id44] matches {

defining\_code matches {[ac1]} -- Phase of heart cycle (synthesised)

}

}

}

ELEMENT[id35] occurrences matches {0..1} matches { -- Multimedia

value matches {

DV\_MULTIMEDIA[id45]

}

}

allow\_archetype CLUSTER[id34] occurrences matches {0..1} matches { -- Waveform

include

archetype\_id/value matches {/openEHR-EHR-CLUSTER\.waveform(-a-zA-Z0-9\_]+)\*\.v1/}

exclude

archetype\_id/value matches {/.\*/}

}

ELEMENT[id36] occurrences matches {0..1} matches { -- Comment

value matches {

DV\_TEXT[id46]

}

}

}

}

}

state matches {

ITEM\_TREE[id39] matches {

items matches {

ELEMENT[id40] occurrences matches {0..1} matches { -- Position

value matches {

DV\_TEXT[id47]

}

}

ELEMENT[id41] occurrences matches {0..1} matches { -- Confounding factors

value matches {

DV\_TEXT[id48]

}

}

}

}

}

}

INTERVAL\_EVENT[id5] occurrences matches {0..\*} matches { -- Average over heart cycle

math\_function matches {

DV\_CODED\_TEXT[id49] matches {

defining\_code matches {[at30]}

}

}

data matches {

use\_node ITEM\_TREE[id50] /data[id2]/events[id3]/data[id4] -- /data[id2]/events[Any event]/data[id4]

}

state matches {

use\_node ITEM\_TREE[id51] /data[id2]/events[id3]/state[id39] -- /data[id2]/events[Any event]/state[id39]

}

}

}

}

}

protocol matches {

ITEM\_TREE[id22] matches {

items matches {

allow\_archetype CLUSTER[id31] occurrences matches {0..1} matches { -- Device

include

archetype\_id/value matches {/openEHR-EHR-CLUSTER\.device(-a-zA-Z0-9\_]+)\*\.v1/}

}

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Intravascular pressure">

description = <"The pressure in a specific location, blood vessel or heart cavity, at a specific phase of the heart or an average over the heart cycle.">

>

["id3"] = <

text = <"Any event">

description = <"Generic event.">

>

["id5"] = <

text = <"Average over heart cycle">

description = <"The average over one heart cycle.">

>

["id6"] = <

text = <"Pressure">

description = <"The mean pressure measured.">

>

["id8"] = <

text = <"Phase of heart cycle">

description = <"The phase of the heart cycle at the time of the measurement">

>

["at9"] = <

text = <"Systolic">

description = <"During contraction of the heart.">

>

["at10"] = <

text = <"Diastolic">

description = <"During relaxation of the heart.">

>

["id16"] = <

text = <"Relative pressure">

description = <"The pressure in relative terms.">

>

["at17"] = <

text = <"Markedly reduced">

description = <"The pressure is much lower than normal or expected.">

>

["at18"] = <

text = <"Lowered">

description = <"The pressure is reduced.">

>

["at19"] = <

text = <"Normal/expected">

description = <"The pressure is normal or as expected.">

>

["at20"] = <

text = <"raised">

description = <"The pressure is raised.">

>

["at21"] = <

text = <"Markedly increased">

description = <"The pressure is much higher than normal or expected.">

>

["at24"] = <

text = <"Pre-systolic">

description = <"Phase of the heart immediately prior to contraction of the heart.">

>

["at25"] = <

text = <"Pre-diastolic">

description = <"The phase of the heart immediately prior to filling of the ventricle.">

>

["at28"] = <

text = <"Whole cycle">

description = <"The pressure measueerd is over the whole heart cycle.">

>

["id31"] = <

text = <"Device">

description = <"The device used to record the measurement.">

>

["id34"] = <

text = <"Waveform">

description = <"A waveform representation of the pressure">

>

["id35"] = <

text = <"Multimedia">

description = <"A multimedia representation of the pressure reading, other than waveforms.">

>

["id36"] = <

text = <"Comment">

description = <"A text comment on the reading.">

>

["id37"] = <

text = <"Location">

description = <"The location of the pressure measurement.">

>

["id40"] = <

text = <"Position">

description = <"Position of patient during measurement.">

>

["id41"] = <

text = <"Confounding factors">

description = <"Other factors that may interfere with interpretation of the measurement.">

>

["ac1"] = <

text = <"Phase of heart cycle (synthesised)">

description = <"The phase of the heart cycle at the time of the measurement (synthesised)">

>

["at29"] = <

text = <"Pressure">

description = <"Pressure">

>

["at30"] = <

text = <"mean">

description = <"mean">

>

["ac2"] = <

text = <"Relative pressure">

description = <"The pressure in relative terms.">

>

["ac3"] = <

text = <"Relative pressure (synthesised)">

description = <"The pressure in relative terms. (synthesised)">

>

>

>

term\_bindings = <

["openehr"] = <

["at29"] = <http://openehr.org/id/125>

["at30"] = <http://openehr.org/id/146>

>

>

value\_sets = <

["ac1"] = <

id = <"ac1">

members = <"at9", "at10", "at24", "at25", "at28">

>

["ac2"] = <

id = <"ac2">

members = <"at17", "at18", "at19", "at20", "at21">

>

["ac3"] = <

id = <"ac3">

members = <"at17", "at18", "at19", "at20", "at21">

>

>

#### Intravascular Pressure 1 AML

### Narrow DV Quantity Example

#### Narrow DV Quantity Diagram

#### Narrow DV Quantity ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.narrow\_dv\_quantity.v1.0.0

specialize

openEHR-EHR-OBSERVATION.body\_temp\_test.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Rong Chen">

["organisation"] = <"Cambio">

["date"] = <"18/04/2012">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Specialised archetype illustrating constraint narrowing of a DV\_QUANTITY">

use = <"Test">

keywords = <"test", "constraint narrowing">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"© openEHR Foundation">

definition

OBSERVATION[id1.1] matches { -- Body temperature new GP

/data[id3]/events[id4]/data[id2]/items[id5]/value matches {

DV\_QUANTITY[id61] matches {

property matches {[at57]}

[units, precision] matches {

[{"°C"}, {1}]

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1.1"] = <

text = <"Body temperature new GP">

description = <"A measurement of the body temperature, which is a surrogate for the whole body temperature of the person.">

>

>

>

#### Narrow DV Quantity AML

### Ordering Parent Example

#### Ordering Parent Diagram

#### Ordering Parent ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.ordering\_parent.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Dr Ian McNicoll">

["organisation"] = <"Ocean Informatics, United Kingdom">

["email"] = <"ian.mcnicoll@oceaninformatics.com">

["date"] = <"07/11/2009">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Parent for child that redefines and adds nodes, marked for a certain location in flat, using 'before' keyword">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"© openEHR Foundation">

definition

OBSERVATION[id1] matches { -- Laboratory test

data matches {

HISTORY[id2] matches {

events cardinality matches {1..\*; unordered} matches {

EVENT[id3] occurrences matches {0..\*} matches { -- Any event

data matches {

ITEM\_TREE[id4] matches {

items matches {

ELEMENT[id6] occurrences matches {0..1} matches { -- Test name

value matches {

DV\_TEXT[id20]

}

}

ELEMENT[id7] occurrences matches {0..1} matches { -- Diagnostic service

value matches {

DV\_TEXT[id21]

}

}

ELEMENT[id8] occurrences matches {0..1} matches { -- Test status

value matches {

DV\_CODED\_TEXT[id22] matches {

defining\_code matches {[ac1]} -- Test status (synthesised)

}

}

}

allow\_archetype CLUSTER[id9] occurrences matches {0..\*} matches { -- Specimen detail

include

archetype\_id/value matches {/openEHR-EHR-CLUSTER\.specimen\.v1/}

exclude

archetype\_id/value matches {/.\*/}

}

ITEM[id10] occurrences matches {0..\*} -- Result

allow\_archetype CLUSTER[id11] occurrences matches {0..\*} matches { -- Per-result annotation

include

archetype\_id/value matches {/openEHR-EHR-CLUSTER\.lab\_result\_annotation(-a-zA-Z0-9\_]+)\*\.v1/}

exclude

archetype\_id/value matches {/.\*/}

}

ELEMENT[id12] occurrences matches {0..1} matches { -- Overall interpretation

value matches {

DV\_TEXT[id23]

}

}

ELEMENT[id13] occurrences matches {0..\*} matches { -- Multimedia representation

value matches {

DV\_MULTIMEDIA[id24]

}

}

}

}

}

}

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Laboratory test">

description = <"To record the result of a laboratory test which may be used to record a single valued test but will often be specialised or templated to represent multiple value or 'panel' tests.

This archetype also acts as the parent for specialisations appropriate for more specific laboratory tests microbiology, histopathology.">

>

["id3"] = <

text = <"Any event">

description = <"Any event.">

>

["id6"] = <

text = <"Test name">

description = <"Specific identifier for this lab test. e.g. Full blood count , blood glucose, urine microbiology. May equate to the result name for a single value result. Commonly a coded term e.g from LOINC or SNOMED-CT.">

>

["id7"] = <

text = <"Diagnostic service">

description = <"The type of high-level diagnostic service e.g. biochemistry, haematology.">

>

["id8"] = <

text = <"Test status">

description = <"The status of the lab test as a whole.">

>

["id9"] = <

text = <"Specimen detail">

description = <"Details of the specimen being reported where all individual results are derived from the same specimen.">

>

["id10"] = <

text = <"Result">

description = <"The result of the test.">

>

["id11"] = <

text = <"Per-result annotation">

description = <"Slot to allow an annotation to be added to a particular test result at run-time.">

>

["id12"] = <

text = <"Overall interpretation">

description = <"An overall interpretative comment on this test.">

>

["id13"] = <

text = <"Multimedia representation">

description = <"Representations of the whole test in mutlimedia e.g image, audio, video.">

>

["ac1"] = <

text = <"Test status (synthesised)">

description = <"The status of the lab test as a whole. (synthesised)">

>

["at38"] = <

text = <"Interim">

description = <"This is an initial or interim result - further updates are anticipated.">

>

["at39"] = <

text = <"Final">

description = <"This is the final result. No further alterations are anticipated.">

>

["at40"] = <

text = <"Supplementary">

description = <"This is a supplementary result ehich should be appended to a previous result.">

>

["at41"] = <

text = <"Corrected (amended)">

description = <"This is a correction which should completely replace any previous results.">

>

["at75"] = <

text = <"Aborted">

description = <"The test was aborted and never completed.">

>

["at80"] = <

text = <"Never performed">

description = <"The test was never performed.">

>

>

>

value\_sets = <

["ac1"] = <

id = <"ac1">

members = <"at38", "at39", "at40", "at41", "at75", "at80">

>

>

#### Ordering Parent AML

### Parent For Tuple Redefine Example

#### Parent For Tuple Redefine Diagram

#### Parent For Tuple Redefine ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.parent\_for\_tuple\_redefine.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Sam Heard">

["organisation"] = <"Ocean Informatics">

["email"] = <"sam.heard@oceaninformatics.com">

["date"] = <"28/06/2006">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Intravascular venous, arterial, pulmonary or cardiac pressure measurement. Commonly specialised for specific common pressures such as JVP and CCP.">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"© openEHR Foundation">

definition

OBSERVATION[id1] matches { -- Intravascular pressure

data matches {

HISTORY[id2] matches {

events cardinality matches {1..\*; unordered} matches {

EVENT[id3] occurrences matches {0..\*} matches { -- Any event

data matches {

ITEM\_TREE[id4] matches {

items cardinality matches {1; ordered} matches {

ELEMENT[id6] occurrences matches {0..1} matches { -- Pressure

value matches {

DV\_QUANTITY[id42] matches {

property matches {[at29]}

[magnitude, units, precision] matches {

[{|>=0.0|}, {"mm[Hg]"}, {2}],

[{|>=0.0|}, {"cm[H20]"}, {2}]

}

}

}

}

ELEMENT[id16] occurrences matches {0..1} matches { -- Ordinal

value matches {

DV\_ORDINAL[id43] matches {

[value, symbol] matches {

[{0}, {[at17]}],

[{2}, {[at18]}],

[{4}, {[at19]}],

[{6}, {[at20]}],

[{8}, {[at21]}]

}

}

}

}

}

}

}

}

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Intravascular pressure">

description = <"The pressure in a specific location, blood vessel or heart cavity, at a specific phase of the heart or an average over the heart cycle.">

>

["id3"] = <

text = <"Any event">

description = <"Generic event.">

>

["id6"] = <

text = <"Pressure">

description = <"The mean pressure measured.">

>

["id16"] = <

text = <"Ordinal">

description = <"Ordinal value.">

>

["at17"] = <

text = <"Markedly reduced">

description = <"The pressure is much lower than normal or expected.">

>

["at18"] = <

text = <"Lowered">

description = <"The pressure is reduced.">

>

["at19"] = <

text = <"Normal/expected">

description = <"The pressure is normal or as expected.">

>

["at20"] = <

text = <"raised">

description = <"The pressure is raised.">

>

["at21"] = <

text = <"Markedly increased">

description = <"The pressure is much higher than normal or expected.">

>

["at29"] = <

text = <"Pressure">

description = <"Pressure">

>

["ac1"] = <

text = <"Ordinal (synthesised)">

description = <"Ordinal value. (synthesised)">

>

>

>

term\_bindings = <

["openehr"] = <

["at29"] = <http://openehr.org/id/125>

>

>

value\_sets = <

["ac1"] = <

id = <"ac1">

members = <"at17", "at18", "at19", "at20", "at21">

>

>

#### Parent For Tuple Redefine AML

### Redefine 1 Value Example

#### Redefine 1 Value Diagram

#### Redefine 1 Value ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.redefine\_1\_value.v1.0.0

specialize

openEHR-EHR-OBSERVATION.spec\_test\_parent.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["organisation"] = <"Ocean Informatics">

["name"] = <"Thomas Beale">

["date"] = <"11/8/2008">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test redefinition of a single value into a more constrained form">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

OBSERVATION[id1.1] matches { -- first level specialisation archetype

/data/events[id3]/data/items matches {

ELEMENT[id4.1] matches { -- Redefined text field

value matches {

DV\_CODED\_TEXT[id0.6] matches {

defining\_code matches {[ac0.1]} -- (added by post-parse processor)

}

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["at0.1"] = <

text = <"internal code A">

description = <"internal code A description">

>

["at0.2"] = <

text = <"internal code B">

description = <"internal code B description">

>

["id1.1"] = <

text = <"first level specialisation archetype">

description = <"first level specialisation test archetype">

>

["id4.1"] = <

text = <"Redefined text field">

description = <"redefined text field">

>

["ac0.1"] = <

text = <"(added by post-parse processor)">

description = <"(added by post-parse processor)">

>

>

>

value\_sets = <

["ac0.1"] = <

id = <"ac0.1">

members = <"at0.1", "at0.2">

>

>

#### Redefine 1 Value AML

### Redefine Cardinality Example

#### Redefine Cardinality Diagram

#### Redefine Cardinality ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.redefine\_cardinality.v1.0.0

specialize

openEHR-EHR-OBSERVATION.spec\_test\_parent.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["organisation"] = <"Ocean Informatics">

["name"] = <"Thomas Beale">

["date"] = <"11/8/2008">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test legal narrowing of cardinality in specialised archetype">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

OBSERVATION[id1.1] matches { -- specialised archetype

/data/events cardinality matches {2..8; ordered}

}

terminology

term\_definitions = <

["en"] = <

["id1.1"] = <

text = <"specialised archetype">

description = <"">

>

>

>

#### Redefine Cardinality AML

### Redefine Multi Value Example

#### Redefine Multi Value Diagram

#### Redefine Multi Value ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.redefine\_multi\_value.v1.0.0

specialize

openEHR-EHR-OBSERVATION.spec\_test\_parent.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["organisation"] = <"Ocean Informatics">

["name"] = <"Thomas Beale">

["date"] = <"11/8/2008">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test archetype that redefines a single node into many">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

OBSERVATION[id1.1] matches { -- multi-level redefinition archetype

/data/events[id3]/data/items matches {

ELEMENT[id8.1] matches { -- 1st redefine of at0007 node

value matches {

DV\_QUANTITY[id0.7]

}

}

ELEMENT[id8.2] matches { -- 2nd redefine of at0007 node

value matches {

DV\_QUANTITY[id0.8]

}

}

ELEMENT[id8.3] matches { -- 3rd redefine of at0007 node

value matches {

DV\_QUANTITY[id0.9]

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1.1"] = <

text = <"multi-level redefinition archetype">

description = <"specialisation containing multiple redefine of a single parent node">

>

["id8.1"] = <

text = <"1st redefine of at0007 node">

description = <"1st redefine of at0007 node">

>

["id8.2"] = <

text = <"2nd redefine of at0007 node">

description = <"1st redefine of at0007 node">

>

["id8.3"] = <

text = <"3rd redefine of at0007 node">

description = <"1st redefine of at0007 node">

>

>

>

#### Redefine Multi Value AML

### Redefine Occurrences Example

#### Redefine Occurrences Diagram

#### Redefine Occurrences ADL

archetype (adl\_version=1.5)

openEHR-EHR-OBSERVATION.redefine\_occurrences.v1.0.0

specialise

openEHR-EHR-OBSERVATION.spec\_test\_parent.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["organisation"] = <"Ocean Informatics">

["name"] = <"Thomas Beale">

["date"] = <"11/8/2008">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test legal refinement of occurrences to {0..1}">

>

>

other\_details = <

["regression"] = <"PASS">

>

lifecycle\_state = <"draft">

definition

OBSERVATION[at0000.1] matches {

/data/events matches {

EVENT[at0002.1] occurrences matches {0..1}

}

}

ontology

term\_definitions = <

["en"] = <

items = <

["at0000.1"] = <

text = <"specialised archetype">

description = <"">

>

["at0002.1"] = <

text = <"any event - occurrences specialised">

description = <"">

>

>

>

>

#### Redefine Occurrences AML

### Spec Test Obs Example

#### Spec Test Obs Diagram

#### Spec Test Obs ADL

archetype (adl\_version=1.5.1; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.spec\_test\_obs.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["organisation"] = <"Ocean Informatics">

["name"] = <"Thomas Beale">

["date"] = <"11/8/2008">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test OBSERVATION specialisation parent archetype">

>

>

lifecycle\_state = <"unstable">

other\_details = <

["regression"] = <"PASS">

>

definition

OBSERVATION[id1] matches { -- top-level archetype

data matches {

HISTORY[id9] matches {

events cardinality matches {2..\*; unordered} matches {

EVENT[id3] matches { -- any event

data matches {

ITEM\_TREE[id10] matches {

items cardinality matches {2..\*; ordered} matches {

ELEMENT[id4] matches { -- Text field

value matches {

DV\_TEXT[id11]

}

}

ELEMENT[id5] matches { -- Boolean field

value matches {

DV\_BOOLEAN[id12]

}

}

ELEMENT[id6] matches { -- Quantity field

value matches {

DV\_QUANTITY[id13]

}

}

ELEMENT[id7] matches { -- Multimedia field

value matches {

DV\_MULTIMEDIA[id14]

}

}

ELEMENT[id8] -- Any field

}

}

}

}

}

}

}

protocol existence matches {1}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"top-level archetype">

description = <"top level test archetype for specialisation lineage">

>

["id3"] = <

text = <"any event">

description = <"\*">

>

["id4"] = <

text = <"Text field">

description = <"test text field">

>

["id5"] = <

text = <"Boolean field">

description = <"test boolean field">

>

["id6"] = <

text = <"Quantity field">

description = <"test quantity field">

>

["id7"] = <

text = <"Multimedia field">

description = <"test multimedia field">

>

["id8"] = <

text = <"Any field">

description = <"test any-value field">

>

>

>

#### Spec Test Obs AML

### Spec Test Parent Example

#### Spec Test Parent Diagram

#### Spec Test Parent ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.spec\_test\_parent.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["organisation"] = <"Ocean Informatics">

["name"] = <"Thomas Beale">

["date"] = <"11/8/2008">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test OBSERVATION specialisation parent archetype">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

OBSERVATION[id1] matches { -- top-level archetype

data matches {

HISTORY[id9] matches {

events cardinality matches {2..\*; unordered} matches {

EVENT[id3] matches { -- any event

data matches {

ITEM\_TREE[id10] matches {

items cardinality matches {2..\*; ordered} matches {

ELEMENT[id4] matches { -- Text field

value matches {

DV\_TEXT[id11]

}

}

ELEMENT[id5] matches { -- Boolean field

value matches {

DV\_BOOLEAN[id12]

}

}

ELEMENT[id6] matches { -- Quantity field

value matches {

DV\_QUANTITY[id13]

}

}

ELEMENT[id7] matches { -- Multimedia field

value matches {

DV\_MULTIMEDIA[id14]

}

}

ELEMENT[id8] -- Any field

}

}

}

}

}

}

}

protocol existence matches {1}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"top-level archetype">

description = <"top level test archetype for specialisation lineage">

>

["id3"] = <

text = <"any event">

description = <"\*">

>

["id4"] = <

text = <"Text field">

description = <"test text field">

>

["id5"] = <

text = <"Boolean field">

description = <"test boolean field">

>

["id6"] = <

text = <"Quantity field">

description = <"test quantity field">

>

["id7"] = <

text = <"Multimedia field">

description = <"test multimedia field">

>

["id8"] = <

text = <"Any field">

description = <"test any-value field">

>

>

>

#### Spec Test Parent AML

### Tuple Redefine To Single Example

#### Tuple Redefine To Single Diagram

#### Tuple Redefine To Single ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.tuple\_redefine\_to\_single.v1.0.0

specialize

openEHR-EHR-OBSERVATION.parent\_for\_tuple\_redefine.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Sam Heard">

["organisation"] = <"Ocean Informatics">

["email"] = <"sam.heard@oceaninformatics.com">

["date"] = <"28/06/2006">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Illustrate redefinition of tuple to narrower tuple consisting of one item only">

>

>

lifecycle\_state = <"unmanaged">

copyright = <"© openEHR Foundation">

definition

OBSERVATION[id1.1] matches { -- Intravascular pressure redefined

/data[id2]/events[id3]/data[id4]/items[id6]/value matches {

DV\_QUANTITY[id42] matches {

[magnitude, units, precision] matches {

[{|>=0.0|}, {"cm[H20]"}, {2}]

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1.1"] = <

text = <"Intravascular pressure redefined">

description = <"The pressure in a specific location, blood vessel or heart cavity, at a specific phase of the heart or an average over the heart cycle.">

>

>

>

#### Tuple Redefine To Single AML

### Section Parent Example

#### Section Parent Diagram

#### Section Parent ADL

archetype (adl\_version=1.5.1; rm\_release=1.0.2)

openEHR-EHR-SECTION.section\_parent.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

["email"] = <"thomas.beale@oceaninformatics.com">

["date"] = <"8/04/2007">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"To provide a root heading for physical examination in all structured recordings">

>

>

lifecycle\_state = <"initial">

other\_details = <

["regression"] = <"PASS">

>

definition

SECTION[id1] -- Physical examination

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Physical examination">

description = <"An open section for recording physical examination findings">

>

>

>

#### Section Parent AML

### Date Time Specialisations Example

#### Date Time Specialisations Diagram

#### Date Time Specialisations ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openehr-TEST\_PKG-WHOLE.date\_time\_specialisations.v1.0.0

specialize

openehr-TEST\_PKG-WHOLE.basic\_types.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test specialisation of ISO8601\_DURATION primitive type.">

keywords = <"ADL", "test">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"copyright (c) 2012 The openEHR Foundation">

definition

WHOLE[id1.1] matches { -- Specialised duration

duration\_attr36 matches {P1D}

}

terminology

term\_definitions = <

["en"] = <

["id1.1"] = <

text = <"Specialised duration">

description = <"Specialised duration">

>

>

>

#### Date Time Specialisations AML

## Term Bindings Examples

### Constraint Binding Multiple Example

#### Constraint Binding Multiple Diagram

#### Constraint Binding Multiple ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.constraint\_binding\_multiple.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"To document cough assessment for use in nursing care">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

OBSERVATION[id1] matches { -- Cough - ZN

data matches {

HISTORY[id2] matches {

events cardinality matches {1..\*; unordered} matches {

EVENT[id3] occurrences matches {0..1} matches { -- Any event

data matches {

ITEM\_TREE[id4] matches {

items matches {

ELEMENT[id5] occurrences matches {0..1} matches { -- Character

value matches {

DV\_CODED\_TEXT[id6] matches {

defining\_code matches {[ac2]} -- MZN-SIF-Dihanje-Kašelj

}

}

}

}

}

}

}

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Cough - ZN">

description = <"Documenting cough assessment as needed for nursing care">

>

["id3"] = <

text = <"Any event">

description = <"\*">

>

["id5"] = <

text = <"Character">

description = <"The character of the cough.">

>

["ac2"] = <

text = <"MZN-SIF-Dihanje-Kašelj">

description = <"Link to ISPEK termset.">

>

>

>

term\_bindings = <

["AIR93(1.0.0)"] = <

["ac2"] = <http://air93.org/MZN-SIF-Dihanje-Kašelj>

>

["AIR93"] = <

["ac2"] = <http://air93.org/MZN-SIF-Dihanje-Kašelj>

>

>

#### Constraint Binding Multiple AML

### Constraint Binding SNOMED Example

#### Constraint Binding SNOMED Diagram

#### Constraint Binding SNOMED ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.constraint\_binding\_snomed.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Sam Heard">

["organisation"] = <"Ocean Informatics">

["email"] = <"sam.heard@oceaninformatics.com">

["date"] = <"2006-03-26">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Demonstrate constraint binding">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"© openEHR Foundation">

definition

OBSERVATION[id1] matches { -- Pulse

data matches {

HISTORY[id3] matches {

events cardinality matches {1..\*; unordered} matches {

EVENT[id4] occurrences matches {0..\*} matches { -- Any event

data matches {

ITEM\_TREE[id2] matches {

items matches {

ELEMENT[id1006] occurrences matches {0..1} matches { -- Pulse Presence

value matches {

DV\_CODED\_TEXT[id1039] matches {

defining\_code matches {[ac1]} -- Pulse Presence (synthesised)

}

}

}

ELEMENT[id5] occurrences matches {0..1} matches { -- Rate

name matches {

DV\_CODED\_TEXT[id1040] matches {

defining\_code matches {[ac2]} -- Rate (synthesised)

}

}

value matches {

DV\_QUANTITY[id1041] matches {

property matches {[at1046]}

magnitude matches {|>=0.0|}

precision matches {0}

units matches {"/min"}

}

}

}

ELEMENT[id6] occurrences matches {0..1} matches { -- Regularity

value matches {

DV\_CODED\_TEXT[id1042] matches {

defining\_code matches {[ac3]} -- Regularity (synthesised)

}

}

}

ELEMENT[id1031] occurrences matches {0..\*} matches { -- Character

value matches {

DV\_TEXT[id1043]

}

}

ELEMENT[id1023] occurrences matches {0..1} matches { -- Clinical Description

value matches {

DV\_TEXT[id1044]

}

}

ELEMENT[id1024] occurrences matches {0..\*} matches { -- Clinical Interpretation

value matches {

DV\_TEXT[id1045]

}

}

}

}

}

state matches {

ITEM\_TREE[id13] matches {

items matches {

ELEMENT[id14] occurrences matches {0..1} matches { -- Position

value matches {

DV\_CODED\_TEXT[id1046] matches {

defining\_code matches {[ac4; at1002]} -- Position (synthesised)

}

}

}

ELEMENT[id1019] occurrences matches {0..1} matches { -- Confounding Factors

value matches {

DV\_TEXT[id1047]

}

}

allow\_archetype CLUSTER[id1018] occurrences matches {0..\*} matches { -- Exertion

include

archetype\_id/value matches {/openEHR-EHR-CLUSTER\.level\_of\_exertion(-a-zA-Z0-9\_]+)\*\.v1/}

}

}

}

}

}

INTERVAL\_EVENT[id1037] occurrences matches {0..1} matches { -- Maximum

math\_function matches {

DV\_CODED\_TEXT[id1048] matches {

defining\_code matches {[at1047]}

}

}

data matches {

use\_node ITEM\_TREE[id1049] /data[id3]/events[id4]/data[id2] -- /data[id3]/events[Any event]/data[id2]

}

state matches {

use\_node ITEM\_TREE[id1050] /data[id3]/events[id4]/state[id13] -- /data[id3]/events[Any event]/state[id13]

}

}

}

}

}

protocol matches {

ITEM\_TREE[id11] matches {

items matches {

ELEMENT[id1020] occurrences matches {0..1} matches { -- Method

value matches {

DV\_CODED\_TEXT[id1051] matches {

defining\_code matches {[ac5]} -- Method (synthesised)

}

}

}

ELEMENT[id1038] occurrences matches {0..1} matches { -- Findings Location

value matches {

DV\_CODED\_TEXT[id1052] matches {

defining\_code matches {[ac6]} -- Findings Location (synthesised)

}

}

}

allow\_archetype CLUSTER[id1014] occurrences matches {0..1} matches { -- Device

include

archetype\_id/value matches {/openEHR-EHR-CLUSTER\.device(-a-zA-Z0-9\_]+)\*\.v1/}

exclude

archetype\_id/value matches {/.\*/}

}

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Pulse">

description = <"Measurement of the pulse rate, or heart rate, and description of associated characteristics.">

>

["id4"] = <

text = <"Any event">

description = <"Default, unspecified point in time or interval event which may be explicitly defined in a template or at run-time.">

>

["id5"] = <

text = <"Rate">

description = <"The rate, measured in beats per minute.">

>

["id6"] = <

text = <"Regularity">

description = <"The observed regularity of the pulse or heart beat.">

>

["at7"] = <

text = <"Regular">

description = <"The rhythm is regular.">

>

["at8"] = <

text = <"Regularly Irregular">

description = <"The rhythm is regularly irregular.">

>

["at9"] = <

text = <"Irregularly Irregular">

description = <"The rhythm is irregular in a chaotic manner.">

>

["id14"] = <

text = <"Position">

description = <"The body position of the subject during the observation.">

>

["at1001"] = <

text = <"Lying">

description = <"The subject was lying flat.">

>

["at1002"] = <

text = <"Sitting">

description = <"The subject was sitting (for example on bed or chair).">

>

["at1003"] = <

text = <"Reclining">

description = <"The subject was reclining.">

>

["at1004"] = <

text = <"Standing">

description = <"The subject was standing.">

>

["id1006"] = <

text = <"Pulse Presence">

description = <"Identification of a pulse or heart beat.">

>

["id1014"] = <

text = <"Device">

description = <"Details about the device used to observe the pulse or heart beat.">

>

["id1018"] = <

text = <"Exertion">

description = <"Details about physical exertion being undertaken during the examination.">

>

["id1019"] = <

text = <"Confounding Factors">

description = <"Narrative description about any incidental factors that may be affect interpretation of the physical findings.">

>

["id1020"] = <

text = <"Method">

description = <"Method used to the pulse observe the pulse or heart beat.">

>

["id1023"] = <

text = <"Clinical Description">

description = <"Narrative description about the findings.">

>

["id1024"] = <

text = <"Clinical Interpretation">

description = <"Single word, phrase or brief description represents the clinical meaning and significance of the pulse or heart beat findings.">

>

["at1025"] = <

text = <"Present">

description = <"A pulse or heart beat can be detected.">

>

["at1026"] = <

text = <"Absent">

description = <"A pulse or heart beat cannot be detected.">

>

["at1027"] = <

text = <"Pulse Rate">

description = <"The pulse rate, measured in beats per minute.">

>

["at1028"] = <

text = <"Heart Rate">

description = <"The heart rate, measured in beats per minute.">

>

["at1029"] = <

text = <"Irregular">

description = <"The rhythm is irregular.">

>

["id1031"] = <

text = <"Character">

description = <"Description of the character of the pulse or heart beat.">

>

["at1033"] = <

text = <"Palpation">

description = <"The findings are observed by physical touch of the observer on the subject.">

>

["at1034"] = <

text = <"Auscultation">

description = <"The findings are observed with the assistance of a device, such as a stethoscope.">

>

["at1035"] = <

text = <"Device">

description = <"The pulse findings are observed using a device, such as a pulse oximeter or cardiac monitor.">

>

["id1037"] = <

text = <"Maximum">

description = <"Maximum rate of the pulse or heart beat observed during a period of exertion.">

>

["id1038"] = <

text = <"Findings Location">

description = <"Body site where the pulse or heart beat findings were observed.">

>

["at1039"] = <

text = <"Radial Artery - Left">

description = <"The left radial artery.">

>

["at1040"] = <

text = <"Radial Artery - Right">

description = <"The right radial artery.">

>

["at1041"] = <

text = <"Heart">

description = <"The region of the heart.">

>

["at1042"] = <

text = <"Carotid Artery - Left">

description = <"The left carotid artery.">

>

["at1043"] = <

text = <"Carotid Artery - Right">

description = <"The right carotid artery.">

>

["at1044"] = <

text = <"Femoral Artery - Left">

description = <"The left femoral artery.">

>

["at1045"] = <

text = <"Femoral Artery - Right">

description = <"The right femoral artery.">

>

["at1046"] = <

text = <"Frequency">

description = <"Frequency">

>

["at1047"] = <

text = <"maximum">

description = <"maximum">

>

["ac1"] = <

text = <"Pulse Presence (synthesised)">

description = <"Identification of a pulse or heart beat. (synthesised)">

>

["ac2"] = <

text = <"Rate (synthesised)">

description = <"The rate, measured in beats per minute. (synthesised)">

>

["ac3"] = <

text = <"Regularity (synthesised)">

description = <"The observed regularity of the pulse or heart beat. (synthesised)">

>

["ac4"] = <

text = <"Position (synthesised)">

description = <"The body position of the subject during the observation. (synthesised)">

>

["ac5"] = <

text = <"Method (synthesised)">

description = <"Method used to the pulse observe the pulse or heart beat. (synthesised)">

>

["ac6"] = <

text = <"Findings Location (synthesised)">

description = <"Body site where the pulse or heart beat findings were observed. (synthesised)">

>

>

>

term\_bindings = <

["openehr"] = <

["at1046"] = <http://openehr.org/id/382>

["at1047"] = <http://openehr.org/id/144>

>

["snomedct"] = <

["ac2"] = <http://snomedct.info/id/12394009>

["ac3"] = <http://snomedct.info/id/12394015>

>

>

value\_sets = <

["ac1"] = <

id = <"ac1">

members = <"at1025", "at1026">

>

["ac2"] = <

id = <"ac2">

members = <"at1027", "at1028">

>

["ac3"] = <

id = <"ac3">

members = <"at7", "at1029", "at8", "at9">

>

["ac4"] = <

id = <"ac4">

members = <"at1004", "at1002", "at1003", "at1001">

>

["ac5"] = <

id = <"ac5">

members = <"at1033", "at1034", "at1035">

>

["ac6"] = <

id = <"ac6">

members = <"at1039", "at1040", "at1041", "at1042", "at1043", "at1044", "at1045">

>

>

#### Constraint Binding SNOMED AML

### Term Bindings Basic Example

#### Term Bindings Basic Diagram

#### Term Bindings Basic ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.term\_bindings\_basic.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Sam Heard">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test parsing of basic terminology bindings">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

OBSERVATION[id1] matches { -- Apgar score

data matches {

HISTORY[id3] matches {

events cardinality matches {1..\*; unordered} matches {

POINT\_EVENT[id4] occurrences matches {0..1} matches { -- 1 minute

data matches {

ITEM\_LIST[id2] matches {

items cardinality matches {1..6; ordered} matches {

ELEMENT[id5] occurrences matches {0..1} -- Total

}

}

}

}

POINT\_EVENT[id7] occurrences matches {0..1} matches { -- 5 minute

data matches {

use\_node ITEM\_LIST[id9] /data[id3]/events[id4]/data[id2] -- /data[id3]/events[1 minute]/data[id2]

}

}

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Apgar score">

description = <"Clinical score derived from assessment of respiratory effort, heart rate, reflex irritability, muscle tone and skin colour.">

>

["id4"] = <

text = <"1 minute">

description = <"Apgar score 1 minute after birth">

>

["id5"] = <

text = <"Total">

description = <"The sum of the 5 ordinal scores for each component parameter.">

>

["id7"] = <

text = <"5 minute">

description = <"Apgar score 5 minutes after birth">

>

>

>

term\_bindings = <

["LNC205"] = <

["id5"] = <http://LNC205.org/id/9272-6>

["id7"] = <http://LNC205.org/id/9271-8>

>

>

#### Term Bindings Basic AML

### Term Bindings Paths Example

#### Term Bindings Paths Diagram

#### Term Bindings Paths ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.term\_bindings\_paths.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Sam Heard">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test parsing of paths used in terminology bindings">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

OBSERVATION[id1] matches { -- Apgar score

data matches {

HISTORY[id3] matches {

events cardinality matches {1..\*; unordered} matches {

POINT\_EVENT[id4] occurrences matches {0..1} matches { -- 1 minute

data matches {

ITEM\_LIST[id2] matches {

items cardinality matches {1..6; ordered} matches {

ELEMENT[id5] occurrences matches {0..1} -- Total

}

}

}

}

POINT\_EVENT[id7] occurrences matches {0..1} matches { -- 5 minute

data matches {

use\_node ITEM\_LIST[id9] /data[id3]/events[id4]/data[id2] -- /data[id3]/events[1 minute]/data[id2]

}

}

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Apgar score">

description = <"Clinical score derived from assessment of respiratory effort, heart rate, reflex irritability, muscle tone and skin colour.">

>

["id4"] = <

text = <"1 minute">

description = <"Apgar score 1 minute after birth">

>

["id5"] = <

text = <"Total">

description = <"The sum of the 5 ordinal scores for each component parameter.">

>

["id7"] = <

text = <"5 minute">

description = <"Apgar score 5 minutes after birth">

>

>

>

term\_bindings = <

["LNC205"] = <

["/data[id3]/events[id4]/data[id2]/items[id5]"] = <http://LNC205.org/id/9272-6>

>

>

#### Term Bindings Paths AML

### Term Bindings Paths Use Refs Example

#### Term Bindings Paths Use Refs Diagram

#### Term Bindings Paths Use Refs ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.term\_bindings\_paths\_use\_refs.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Sam Heard">

["organisation"] = <"Ocean Informatics">

["email"] = <"sam.heard@oceaninformatics.com">

["date"] = <"2004-05-18">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test bindings to paths that traverse use\_node references.">

>

>

lifecycle\_state = <"unmanaged">

copyright = <"© openEHR Foundation">

definition

OBSERVATION[id1] matches { -- Apgar score

data matches {

HISTORY[id3] matches {

events cardinality matches {1..\*; unordered} matches {

POINT\_EVENT[id4] occurrences matches {0..1} matches { -- 1 minute

offset matches {

DV\_DURATION[id46] matches {

value matches {PT1M}

}

}

data matches {

ITEM\_LIST[id2] matches {

items cardinality matches {1..6; ordered} matches {

ELEMENT[id10] occurrences matches {0..1} matches { -- Respiratory effort

value matches {

DV\_ORDINAL[id47] matches {

[value, symbol] matches {

[{0}, {[at11]}],

[{1}, {[at12]}],

[{2}, {[at13]}]

}

}

}

}

ELEMENT[id6] occurrences matches {0..1} matches { -- Heart Rate

value matches {

DV\_ORDINAL[id48] matches {

[value, symbol] matches {

[{0}, {[at7]}],

[{1}, {[at8]}],

[{2}, {[at9]}]

}

}

}

}

ELEMENT[id14] occurrences matches {0..1} matches { -- Muscle tone

value matches {

DV\_ORDINAL[id49] matches {

[value, symbol] matches {

[{0}, {[at15]}],

[{1}, {[at16]}],

[{2}, {[at17]}]

}

}

}

}

ELEMENT[id18] occurrences matches {0..1} matches { -- Reflex irritability

value matches {

DV\_ORDINAL[id50] matches {

[value, symbol] matches {

[{0}, {[at19]}],

[{1}, {[at20]}],

[{2}, {[at21]}]

}

}

}

}

ELEMENT[id22] occurrences matches {0..1} matches { -- Skin colour

value matches {

DV\_ORDINAL[id51] matches {

[value, symbol] matches {

[{0}, {[at23]}],

[{1}, {[at24]}],

[{2}, {[at25]}]

}

}

}

}

ELEMENT[id26] occurrences matches {0..1} matches { -- Total

value matches {

DV\_COUNT[id52] matches {

magnitude matches {|0..10|}

}

}

}

}

}

}

}

POINT\_EVENT[id27] occurrences matches {0..1} matches { -- 2 minute

offset matches {

DV\_DURATION[id53] matches {

value matches {PT2M}

}

}

data matches {

use\_node ITEM\_LIST[id41] /data[id3]/events[id4]/data[id2] -- /data[id3]/events[1 minute]/data[id2]

}

}

POINT\_EVENT[id28] occurrences matches {0..1} matches { -- 3 minute

offset matches {

DV\_DURATION[id54] matches {

value matches {PT3M}

}

}

data matches {

use\_node ITEM\_LIST[id42] /data[id3]/events[id4]/data[id2] -- /data[id3]/events[1 minute]/data[id2]

}

}

POINT\_EVENT[id29] occurrences matches {0..1} matches { -- 5 minute

offset matches {

DV\_DURATION[id55] matches {

value matches {PT5M}

}

}

data matches {

use\_node ITEM\_LIST[id43] /data[id3]/events[id4]/data[id2] -- /data[id3]/events[1 minute]/data[id2]

}

}

POINT\_EVENT[id32] occurrences matches {0..1} matches { -- 10 minute

offset matches {

DV\_DURATION[id56] matches {

value matches {PT10M}

}

}

data matches {

use\_node ITEM\_LIST[id44] /data[id3]/events[id4]/data[id2] -- /data[id3]/events[1 minute]/data[id2]

}

}

EVENT[id38] occurrences matches {0..\*} matches { -- Any event

data matches {

use\_node ITEM\_LIST[id45] /data[id3]/events[id4]/data[id2] -- /data[id3]/events[1 minute]/data[id2]

}

}

}

}

}

protocol matches {

ITEM\_LIST[id30] matches {

items matches {

ELEMENT[id31] occurrences matches {0..1} matches { -- Notes on measurement

value matches {

DV\_TEXT[id57]

}

}

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Apgar score">

description = <"Clinical score derived from assessment of respiratory effort, heart rate, reflex irritability, muscle tone and skin colour.">

>

["id4"] = <

text = <"1 minute">

description = <"Apgar score 1 minute after birth.">

>

["id6"] = <

text = <"Heart Rate">

description = <"Recording of the infant's heart rate.">

>

["at7"] = <

text = <"Absent">

description = <"No heart beat is seen, felt or heard.">

>

["at8"] = <

text = <"<100 beats per minute">

description = <"Heart rate less than 100 beats per minute.">

>

["at9"] = <

text = <"≥100 beats per minute">

description = <"Heart rate greater than or equal to 100 beats per minute.">

>

["id10"] = <

text = <"Respiratory effort">

description = <"Observation of the infant's respiratory effort.">

>

["at11"] = <

text = <"Absent">

description = <"No effort to breath.">

>

["at12"] = <

text = <"Weak or irregular">

description = <"Some effort to breath, moving chest.">

>

["at13"] = <

text = <"Normal">

description = <"Breathing normally or crying.">

>

["id14"] = <

text = <"Muscle tone">

description = <"Observation of the infant's muscle tone.">

>

["at15"] = <

text = <"Limp or flaccid">

description = <"No spontaneous movement.">

>

["at16"] = <

text = <"Reduced tone">

description = <"Some flexion of extremities.">

>

["at17"] = <

text = <"Normal tone">

description = <"Normal, vigorous movements.">

>

["id18"] = <

text = <"Reflex irritability">

description = <"Observation of the response of the infant to an irritant stimulation, for example, suctioning the oropharynx and nares with a soft rubber catheter.">

>

["at19"] = <

text = <"No response">

description = <"No response to stimulation.">

>

["at20"] = <

text = <"Reduced response">

description = <"Grimace or feeble cry when stimulated.">

>

["at21"] = <

text = <"Normal response">

description = <"Grimace, sneeze, cough or pulls away when stimulated.">

>

["id22"] = <

text = <"Skin colour">

description = <"Observation of the skin colour of the infant.">

>

["at23"] = <

text = <"Completely blue">

description = <"Body and extremities are blue.">

>

["at24"] = <

text = <"Body pink; extremities blue">

description = <"Body is pink; extremities are blue.">

>

["at25"] = <

text = <"Completely pink">

description = <"Body and extremities are pink; no cyanosis.">

>

["id26"] = <

text = <"Total">

description = <"The sum of the 5 ordinal scores for each component parameter.">

>

["id27"] = <

text = <"2 minute">

description = <"Apgar score 2 minutes after birth.">

>

["id28"] = <

text = <"3 minute">

description = <"Apgar score 3 minutes after birth.">

>

["id29"] = <

text = <"5 minute">

description = <"Apgar score 5 minutes after birth.">

>

["id31"] = <

text = <"Notes on measurement">

description = <"Notes on measurement of the Apgar score.">

>

["id32"] = <

text = <"10 minute">

description = <"Apgar score 10 minutes after birth.">

>

["id38"] = <

text = <"Any event">

description = <"Apgar score at any additional time, as required.">

>

["ac1"] = <

text = <"Respiratory effort">

description = <"Observation of the infant's respiratory effort.">

>

["ac2"] = <

text = <"Heart Rate">

description = <"Recording of the infant's heart rate.">

>

["ac3"] = <

text = <"Muscle tone">

description = <"Observation of the infant's muscle tone.">

>

["ac4"] = <

text = <"Reflex irritability">

description = <"Observation of the response of the infant to an irritant stimulation, for example, suctioning the oropharynx and nares with a soft rubber catheter.">

>

["ac5"] = <

text = <"Skin colour">

description = <"Observation of the skin colour of the infant.">

>

["ac6"] = <

text = <"Respiratory effort (synthesised)">

description = <"Observation of the infant's respiratory effort. (synthesised)">

>

["ac7"] = <

text = <"Heart Rate (synthesised)">

description = <"Recording of the infant's heart rate. (synthesised)">

>

["ac8"] = <

text = <"Muscle tone (synthesised)">

description = <"Observation of the infant's muscle tone. (synthesised)">

>

["ac9"] = <

text = <"Reflex irritability (synthesised)">

description = <"Observation of the response of the infant to an irritant stimulation, for example, suctioning the oropharynx and nares with a soft rubber catheter. (synthesised)">

>

["ac10"] = <

text = <"Skin colour (synthesised)">

description = <"Observation of the skin colour of the infant. (synthesised)">

>

>

>

term\_bindings = <

["SNOMED-CT"] = <

["/data[id3]/events[id4]/data[id2]/items[id26]"] = <http://snomedct.info/id/169895004>

["/data[id3]/events[id29]/data[id2]/items[id26]"] = <http://snomedct.info/id/169909004>

["/data[id3]/events[id32]/data[id2]/items[id26]"] = <http://snomedct.info/id/169922007>

["/data[id3]/events[id38]/data[id2]/items[id26]"] = <http://snomedct.info/id/364592005>

["id26"] = <http://snomedct.info/id/249228009>

>

["LOINC"] = <

["/data[id3]/events[id4]"] = <http://loinc.org/id/48334-7>

["/data[id3]/events[id4]/data[id2]/items[id6]"] = <http://loinc.org/id/32407-9>

["/data[id3]/events[id4]/data[id2]/items[id10]"] = <http://loinc.org/id/32410-3>

["/data[id3]/events[id4]/data[id2]/items[id14]"] = <http://loinc.org/id/32408-7>

["/data[id3]/events[id4]/data[id2]/items[id18]"] = <http://loinc.org/id/32409-5>

["/data[id3]/events[id4]/data[id2]/items[id22]"] = <http://loinc.org/id/32406-1>

["/data[id3]/events[id4]/data[id2]/items[id26]"] = <http://loinc.org/id/9272-6>

["/data[id3]/events[id27]/data[id2]/items[id26]"] = <http://loinc.org/id/9273-4>

["/data[id3]/events[id29]"] = <http://loinc.org/id/48333-9>

["/data[id3]/events[id29]/data[id2]/items[id6]"] = <http://loinc.org/id/32412-9>

["/data[id3]/events[id29]/data[id2]/items[id10]"] = <http://loinc.org/id/32415-2>

["/data[id3]/events[id29]/data[id2]/items[id14]"] = <http://loinc.org/id/32413-7>

["/data[id3]/events[id29]/data[id2]/items[id18]"] = <http://loinc.org/id/32414-5>

["/data[id3]/events[id29]/data[id2]/items[id22]"] = <http://loinc.org/id/32411-1>

["/data[id3]/events[id29]/data[id2]/items[id26]"] = <http://loinc.org/id/9274-2>

["/data[id3]/events[id32]"] = <http://loinc.org/id/48332-1>

["/data[id3]/events[id32]/data[id2]/items[id6]"] = <http://loinc.org/id/32402-0>

["/data[id3]/events[id32]/data[id2]/items[id10]"] = <http://loinc.org/id/32405-3>

["/data[id3]/events[id32]/data[id2]/items[id14]"] = <http://loinc.org/id/32403-8>

["/data[id3]/events[id32]/data[id2]/items[id18]"] = <http://loinc.org/id/32404-6>

["/data[id3]/events[id32]/data[id2]/items[id22]"] = <http://loinc.org/id/32401-2>

["/data[id3]/events[id32]/data[id2]/items[id26]"] = <http://loinc.org/id/9271-8>

["at7"] = <http://loinc.org/id/LA6716>

["at8"] = <http://loinc.org/id/LA6717>

["at9"] = <http://loinc.org/id/LA6718>

["at11"] = <http://loinc.org/id/LA6725>

["at12"] = <http://loinc.org/id/LA6726>

["at13"] = <http://loinc.org/id/LA6727>

["at15"] = <http://loinc.org/id/LA6713>

["at16"] = <http://loinc.org/id/LA6714>

["at17"] = <http://loinc.org/id/LA6715>

["at19"] = <http://loinc.org/id/LA6719>

["at20"] = <http://loinc.org/id/LA6720>

["at21"] = <http://loinc.org/id/LA6721>

["at23"] = <http://loinc.org/id/LA6722>

["at24"] = <http://loinc.org/id/LA6723>

["at25"] = <http://loinc.org/id/LA6724>

>

>

value\_sets = <

["ac1"] = <

id = <"ac1">

members = <"at11", "at12", "at13">

>

["ac2"] = <

id = <"ac2">

members = <"at7", "at8", "at9">

>

["ac3"] = <

id = <"ac3">

members = <"at15", "at16", "at17">

>

["ac4"] = <

id = <"ac4">

members = <"at19", "at20", "at21">

>

["ac5"] = <

id = <"ac5">

members = <"at23", "at24", "at25">

>

["ac6"] = <

id = <"ac6">

members = <"at11", "at12", "at13">

>

["ac7"] = <

id = <"ac7">

members = <"at7", "at8", "at9">

>

["ac8"] = <

id = <"ac8">

members = <"at15", "at16", "at17">

>

["ac9"] = <

id = <"ac9">

members = <"at19", "at20", "at21">

>

["ac10"] = <

id = <"ac10">

members = <"at23", "at24", "at25">

>

>

#### Term Bindings Paths Use Refs AML

## Text Examples

### Quoted Strings Example

#### Quoted Strings Diagram

#### Quoted Strings ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-CLUSTER.quoted\_strings.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["organisation"] = <"a\"x'c\\d">

["name"] = <"Peter Gummer">

["email"] = <"a\"x'c\\d">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"This archetype should parse fine, and when saved and reparsed, no changes should occur in the strings of the at0001 term, i.e. the quoted slash and quoted double quote should remain as they are. However, both should display in the GUI without the backslash symbol">

use = <"\\">

keywords = <"a\"x'c\\d", "p\"q\\s\"">

misuse = <"">

>

>

lifecycle\_state = <"unmanaged">

other\_contributors = <"a\"x'c\\d", ...>

other\_details = <

["regression"] = <"PASS">

>

definition

CLUSTER[id1] matches { -- unknown

items matches {

ELEMENT[id2] occurrences matches {0..1} matches { -- a\b

value matches {

DV\_CODED\_TEXT[id4] matches {

defining\_code matches {[ac1]} -- a\b

}

}

}

ELEMENT[id3] occurrences matches {0..1} matches { -- \a\

value matches {

DV\_TEXT[id5] matches {

value matches {"No quoting should happen here"}

}

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"unknown">

description = <"unknown">

>

["id2"] = <

text = <"a\\b">

description = <"a\"b">

>

["id3"] = <

text = <"\\a\\">

description = <"\"a\"">

>

["at11"] = <

text = <"\\">

description = <"xxx">

>

["at12"] = <

text = <"\\\\">

description = <"xxx">

>

["ac1"] = <

text = <"a\\b">

description = <"a\"b">

>

>

>

value\_sets = <

["ac1"] = <

id = <"ac1">

members = <"at11", "at12">

>

>

#### Quoted Strings AML

### Unicode Farsi Example

#### Unicode Farsi Diagram

#### Unicode Farsi ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-EVALUATION.unicode\_farsi.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

translations = <

["fa"] = <

language = <[ISO\_639-1::fa]>

author = <

["name"] = <"unknown">

>

>

>

description

original\_author = <

["name"] = <"Sam Heard">

["organisation"] = <"Ocean Informatics">

["date"] = <"23/04/2006">

["email"] = <"sam.heard@oceaninformatics.com">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test unicode language archetype with Farsi translation">

use = <"For recording information about the prevalence of the condition in relatives and quantifying risk to the subject of care.">

misuse = <"Not for recording problems of individual relatives - use 'openEHR-EHR-EVALUATION.problem' and 'openEHR-EHR-EVALUATION.problem-diagnosis' and set the subject of data to the relative.">

>

["fa"] = <

language = <[ISO\_639-1::fa]>

purpose = <"ثبت احتمال خطرداشتن و یا ایجاد شرایط ارزیابی شده به دلیل بروز در اقوام ">

use = <"برای ثبت اطلاعات درباره بروز شرایط در اقوام و احتمال خطر برای موضوع مراقبت ">

misuse = <"برای ثبت مشکلات اقوام فرد -از مشکل و مشکل\_تشخیص و مجموعه ای از داده های مربوطه استفاده کنید">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

EVALUATION[id1] matches { -- Risk of condition based on family history

data matches {

ITEM\_TREE[id2] matches {

items cardinality matches {1..\*; ordered} matches {

ELEMENT[id3] matches { -- Index condition

value matches {

DV\_TEXT[id131]

}

}

ELEMENT[id5] occurrences matches {0..1} matches { -- Assessed risk

value matches {

DV\_CODED\_TEXT[id132] matches {

defining\_code matches {[ac2]} -- Assessed risk

}

}

}

CLUSTER[id102] occurrences matches {0..1} matches { -- Affected relatives

items matches {

CLUSTER[id103] occurrences matches {0..\*} matches { -- Relative

name matches {

DV\_CODED\_TEXT[id133] matches {

defining\_code matches {[ac1]} -- Relationship

}

}

items matches {

ELEMENT[id104] occurrences matches {0..1} matches { -- Name

value matches {

DV\_TEXT[id134]

}

}

ELEMENT[id105] occurrences matches {0..1} matches { -- Age at onset

value matches {

DV\_QUANTITY[id135] matches {

property matches {[at127]}

[units, magnitude] matches {

[{"yr"}, {|0.0..200.0|}],

[{"mth"}, {|0.0..36.0|}],

[{"wk"}, {|0.0..52.0|}],

[{"day"}, {|0.0..56.0|}]

}

}

}

}

ELEMENT[id128] occurrences matches {0..1} matches { -- Date of onset

value matches {

DV\_DATE[id136] matches {

value matches {yyyy-??-??}

}

}

}

ELEMENT[id106] occurrences matches {0..1} matches { -- Age at death

value matches {

DV\_QUANTITY[id137] matches {

property matches {[at128]}

units matches {"yr"}

magnitude matches {|0.0..200.0|}

}

}

}

ELEMENT[id107] occurrences matches {0..1} matches { -- Date of death

value matches {

DV\_DATE[id138] matches {

value matches {yyyy-??-??}

}

}

}

ELEMENT[id108] occurrences matches {0..1} matches { -- Index condition was cause of death

value matches {

DV\_BOOLEAN[id139] matches {

value matches {True, False}

}

}

}

ELEMENT[id109] occurrences matches {0..1} matches { -- Severity

value matches {

DV\_ORDINAL[id140] matches {

[value, symbol] matches {

[{1}, {[at110]}],

[{4}, {[at111]}],

[{7}, {[at112]}]

}

}

}

}

ELEMENT[id129] occurrences matches {0..1} matches { -- More specific condition

value matches {

DV\_TEXT[id141]

}

}

ELEMENT[id113] occurrences matches {0..1} matches { -- Clinical description

value matches {

DV\_TEXT[id142]

}

}

ELEMENT[id114] occurrences matches {0..1} matches { -- Genetic relative

value matches {

DV\_BOOLEAN[id143] matches {

value matches {True, False}

}

}

}

}

}

}

}

CLUSTER[id115] occurrences matches {0..\*} matches { -- Affected ratio

items cardinality matches {1..4; ordered} matches {

ELEMENT[id116] occurrences matches {0..1} matches { -- Degree

value matches {

DV\_CODED\_TEXT[id144] matches {

defining\_code matches {[ac3]} -- Degree

}

}

}

ELEMENT[id123] occurrences matches {0..1} matches { -- Gender

value matches {

DV\_CODED\_TEXT[id145] matches {

defining\_code matches {[ac4]} -- Gender

}

}

}

ELEMENT[id127] occurrences matches {0..1} matches { -- Number unaffected

value matches {

DV\_COUNT[id146] matches {

magnitude matches {|0..100|}

}

}

}

ELEMENT[id130] matches { -- Number affected

value matches {

DV\_COUNT[id147] matches {

magnitude matches {|0..100|}

}

}

}

}

}

}

}

}

protocol matches {

ITEM\_LIST[id11] matches {

items matches {

ELEMENT[id12] occurrences matches {0..1} matches { -- Risk calculation

value matches {

DV\_TEXT[id148]

}

}

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id102"] = <

text = <"Affected relatives">

description = <"The family members affected by the condition">

>

["at111"] = <

text = <"Moderate">

description = <"Significant morbidity and reduced capability">

>

["at112"] = <

text = <"Severe">

description = <"Major morbidity with significant social impact">

>

["id113"] = <

text = <"Clinical description">

description = <"A clinical description of the affected relatives condition">

>

["id114"] = <

text = <"Genetic relative">

description = <"A genetic relative of the data subject - not an adoptive relative">

>

["id115"] = <

text = <"Affected ratio">

description = <"A ratio of the affected to non-affected relatives of a particular type">

>

["id116"] = <

text = <"Degree">

description = <"The proximity or line of the relatives">

>

["at117"] = <

text = <"First degree relatives">

description = <"Relatives with 50% genetic share - parent, sibling, child">

>

["at118"] = <

text = <"Second degree relatives">

description = <"Relatives with 25% genetic share - grand parent, aunts and uncles, nieces and nephews, grand children">

>

["at119"] = <

text = <"Third degree relatives">

description = <"Relatives with 12.5% genetic share, great grand parents, great aunts and uncles, first cousins, children of neices and nephews, great grand children">

>

["at120"] = <

text = <"Maternal relatives">

description = <"Related through mother">

>

["id103"] = <

text = <"Relative">

description = <"Details about the affected relative">

>

["at121"] = <

text = <"Paternal relatives">

description = <"Related through father">

>

["at122"] = <

text = <"Family">

description = <"Entire family">

>

["id123"] = <

text = <"Gender">

description = <"The gender of the relatives included in the affected ratio">

>

["at124"] = <

text = <"Male">

description = <"Male gender">

>

["at125"] = <

text = <"Female">

description = <"Female gender">

>

["at126"] = <

text = <"Male and female">

description = <"Male and female relatives">

>

["id127"] = <

text = <"Number unaffected">

description = <"The number of relatives in this group unaffected by the index condition">

>

["id128"] = <

text = <"Date of onset">

description = <"Date of onset">

>

["id129"] = <

text = <"More specific condition">

description = <"A coded entry which is more specific than the index condition">

>

["id130"] = <

text = <"Number affected">

description = <"The number affected by the index condition">

>

["id104"] = <

text = <"Name">

description = <"Optional name of the person for future reference">

>

["id105"] = <

text = <"Age at onset">

description = <"The age at which the condition was apparent">

>

["id106"] = <

text = <"Age at death">

description = <"The age at which this relative died">

>

["id107"] = <

text = <"Date of death">

description = <"The year or date of death">

>

["id108"] = <

text = <"Index condition was cause of death">

description = <"Indication that the index was a significant factor in the death of this relative">

>

["id109"] = <

text = <"Severity">

description = <"The severity of the condition for this relative">

>

["at110"] = <

text = <"Mild">

description = <"Little affect on lifestyle">

>

["id1"] = <

text = <"Risk of condition based on family history">

description = <"Evaluation to indicate that there is, or is not, a significant risk of this subject of care having, now or in the future, a condition due to prior occurrence in a family member.">

>

["id3"] = <

text = <"Index condition">

description = <"The condition on which the risk assessment is focussed">

>

["at4"] = <

text = <"Significance of risk">

description = <"The likelihood that this person will develop this condition or suffer in this way in the future">

>

["id5"] = <

text = <"Assessed risk">

description = <"The degree of risk conferred on the subject by the presence of this condition amongst relatives">

>

["at7"] = <

text = <"Not significant">

description = <"The person is not assessed at being at higher risk than the general population">

>

["at8"] = <

text = <"Minimal significance">

description = <"The person may be of somewhat greater risk of developing the condition ">

>

["at9"] = <

text = <"Significant">

description = <"The person is considered to be more likely to develop the condition than the general population">

>

["at10"] = <

text = <"Highly significant">

description = <"The person is considered to be likely to develop the condition">

>

["id12"] = <

text = <"Risk calculation">

description = <"The means of calculating the risk">

>

["ac1"] = <

text = <"Relationship">

description = <"The relationship of this relative to the subject">

>

["ac2"] = <

text = <"Assessed risk">

description = <"The degree of risk conferred on the subject by the presence of this condition amongst relatives">

>

["ac3"] = <

text = <"Degree">

description = <"The proximity or line of the relatives">

>

["ac4"] = <

text = <"Gender">

description = <"The gender of the relatives included in the affected ratio">

>

["at127"] = <

text = <"Time">

description = <"Time">

>

["at128"] = <

text = <"Time">

description = <"Time">

>

["ac5"] = <

text = <"Severity">

description = <"The severity of the condition for this relative">

>

["ac6"] = <

text = <"Severity (synthesised)">

description = <"The severity of the condition for this relative (synthesised)">

>

>

["fa"] = <

["id102"] = <

text = <"اقوام تاثیر پذیرنده">

description = <"اعضا خانواده که تحت تاثیر شرایط قرار می گیرند">

>

["at111"] = <

text = <"متوسط">

description = <"بیماری مهم و کاهش دهنده توانایی">

>

["at112"] = <

text = <"شدید">

description = <"بیماری عمده با تاثیر اجتماعی عمده">

>

["id113"] = <

text = <"شرح بالینی">

description = <"شرح بالینی از شرایط اقوام تاثیر پذیر">

>

["id114"] = <

text = <"اقوام وابسته از نظر ژنتیکی">

description = <" اقوام وابسته از نظر ژنتیکی و موضوع داده ها -منظور اقوام وابسته نیست">

>

["id115"] = <

text = <"نسبت تاثیر پذیری">

description = <"نسبتی از تاثیر پذیری به اقوام تاثیر نپذیرفته ا ز شرایط خاص">

>

["id116"] = <

text = <"درجه">

description = <"نزدیکی اقوام">

>

["at117"] = <

text = <"اقوام درجه یک">

description = <"نسبت ژنتیکی-والدین ، خواهر، فرزند 50% اقوام با">

>

["at118"] = <

text = <"اقوام درجه دو">

description = <"نسبت ژنتیکی-مادربزرگ یا پدر بزرگ ، امه و عمو، خواهر یا برادر زاده ،نوه 25% اقوام با">

>

["at119"] = <

text = <"اقوام درجه سه">

description = <"نسبت ژنتیکی-جد ، امه و عمو مادری یا پدری،اولین پسر عمو یا دختر عمو ، فرزند خواهر زاده یا برادر زاده،فرزند نوه 12.5% اقوام با">

>

["at120"] = <

text = <"اقوام مادری">

description = <"مربوط به مادر">

>

["id103"] = <

text = <"نسبت">

description = <"جزییات در مورد اقوام تاثیر پذیر">

>

["at121"] = <

text = <"اقوام والدین">

description = <"مربوط به پدر">

>

["at122"] = <

text = <"خانواده">

description = <"کل خانواده">

>

["id123"] = <

text = <"جنس">

description = <"جنس اقوام که شامل نسبت تاثیر پذیری نیز می باشد">

>

["at124"] = <

text = <"مذکر">

description = <"جنس مذکر">

>

["at125"] = <

text = <"مونث">

description = <"جنس مونث">

>

["at126"] = <

text = <"مذکر و مونث">

description = <"اقوام مذکر و مونث">

>

["id127"] = <

text = <"تعداد افراد تاثیر نپذیرنده">

description = <"تعداد اقوامی که در این گروه توسط شرایط ایندکس شده تحتا تاثیر قرار گرفته اند">

>

["id128"] = <

text = <"تاریخ بروز">

description = <"تاریخ بروز">

>

["id129"] = <

text = <"شرایط خاص تر">

description = <"موارد وارد کرده شده که نسبت به شرایط ایندکس خاص تر هستند">

>

["id130"] = <

text = <"تعداد موارد تاثیر پذیرفته">

description = <"تعداد موارد تاثیر پذیرفته توسط شرایط ایندکس">

>

["id104"] = <

text = <"نام">

description = <"نام اختیاری فرد برای ارجاع در آینده">

>

["id105"] = <

text = <"سن در زمان بروز">

description = <"سنی که شرایط ظاهر شده است ">

>

["id106"] = <

text = <"سن در زمان فوت">

description = <"سنی که این اقوام فوت کرده است">

>

["id107"] = <

text = <"تاریخ فوت">

description = <"سال یا تاریخ فوت">

>

["id108"] = <

text = <"شرایط ایندکس باعث فوت شده اند">

description = <"ایندکاسیونی که ایندکس ، فاکتور مهمی درفوت این اقوام بوده است ">

>

["id109"] = <

text = <"شدت">

description = <"شدت شرایط این اقوام">

>

["at110"] = <

text = <"خفیف">

description = <"تاثیر اندک بر شیوه زندگی">

>

["id1"] = <

text = <"احتمال خطر شرایط بر اساس سابقه خانوادگی">

description = <"ارزشیابی برای مشخص کردن اینکه احتمال خطر مهمی در مورد این موضوع اکنون یا در آینده وجود دارد، شرایطی به دلیل رخداد قبلی شرایط در اعضا خانواده فرد ">

>

["id3"] = <

text = <"ایندکس شرایط">

description = <"شرایطی که احتمال خطر بر آن متمرکز شده است">

>

["at4"] = <

text = <"اهمیت احتمال خطر">

description = <"احتمال اینکه این شرایط برای فرد ایجاد شود یا به طریقی در آینده رنج ببرد">

>

["id5"] = <

text = <"احتمال خطر ارزیابی شده">

description = <"درجه ای از احتمال خطر بر موضوع توسط حضور این شرایط در میان اقوام">

>

["at7"] = <

text = <"مهم نیست">

description = <"فرد برای مشخص شدن اینکه در احتمال خطر بالایی نسبت به جمعیت معمول قرار دارد ارزیابی نشده است ">

>

["at8"] = <

text = <"اهمیت اندک">

description = <"فرد ممکن است احتمال خطر بیشتری برای ایجاد شرایط داشته باشد">

>

["at9"] = <

text = <"مهم">

description = <"فرد در احتمال خطر ببیشتری برای ایجاد شرایط نسبت به جمعیت معمول قرار دارد ">

>

["at10"] = <

text = <"اهمیت بالا">

description = <"فرد در احتمال خطر بالایی برای ایجاد شرایط نسبت به جمعیت معمول قرار دارد">

>

["id12"] = <

text = <"Risk calculation">

description = <"The means of calculating the risk">

>

["ac1"] = <

text = <"ارتباط">

description = <"ارتباط این اقوام با موضوع">

>

["ac2"] = <

text = <"\*Assessed risk(en)">

description = <"\*The degree of risk conferred on the subject by the presence of this condition amongst relatives(en)">

>

["ac3"] = <

text = <"\*Degree(en)">

description = <"\*The proximity or line of the relatives(en)">

>

["ac4"] = <

text = <"\*Gender(en)">

description = <"\*The gender of the relatives included in the affected ratio(en)">

>

["at127"] = <

text = <"\*Time (en)">

description = <"\*Time (en)">

>

["at128"] = <

text = <"\*Time (en)">

description = <"\*Time (en)">

>

["ac5"] = <

text = <"\*Severity(en)">

description = <"\*The severity of the condition for this relative(en)">

>

["ac6"] = <

text = <"شدت (synthesised)">

description = <"شدت شرایط این اقوام (synthesised)">

>

>

>

term\_bindings = <

["openehr"] = <

["at127"] = <http://openehr.org/id/128>

["at128"] = <http://openehr.org/id/128>

>

>

value\_sets = <

["ac2"] = <

id = <"ac2">

members = <"at7", "at8", "at9", "at10">

>

["ac3"] = <

id = <"ac3">

members = <"at117", "at118", "at119", "at120", "at121", "at122">

>

["ac4"] = <

id = <"ac4">

members = <"at124", "at125", "at126">

>

["ac5"] = <

id = <"ac5">

members = <"at110", "at111", "at112">

>

["ac6"] = <

id = <"ac6">

members = <"at110", "at111", "at112">

>

>

#### Unicode Farsi AML

### Max Description Example

#### Max Description Diagram

#### Max Description ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.max\_description.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

translations = <

["fr"] = <

language = <[ISO\_639-1::fr]>

author = <

["name"] = <"unknown">

>

>

>

description

original\_author = <

["name"] = <"author name">

["email"] = <"someone@home">

>

details = <

["fr"] = <

language = <[ISO\_639-1::fr]>

purpose = <"a quoi ça sert">

use = <"ceçi explique la fonction de l'archetype">

keywords = <"ceçi", "est", "une", "liste", "de", "mots", "clés">

misuse = <"les interdictions de cet archetype">

original\_resource\_uri = <

["ligne guide"] = <"http://guidelines.are.us/wherever/fr">

["medline"] = <"http://some%20medline%20ref">

>

>

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"what this is for">

use = <"this is what it is used for">

keywords = <"this", "is", "a", "list", "of", "keywords">

misuse = <"this is not what it is used for">

original\_resource\_uri = <

["guideline"] = <"http://guidelines.are.us/wherever/en">

["medline"] = <"http://some%20medline%20ref">

>

>

>

lifecycle\_state = <"unmanaged">

other\_contributors = <"friend 1", "friend 2", "friend 3">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"this is mine, mine, mine I tell you! Since 2003">

definition

OBSERVATION[id1] matches { -- most minimal

data

}

terminology

term\_definitions = <

["fr"] = <

["id1"] = <

text = <"le plus minimal">

description = <"le plus minimal">

>

>

["en"] = <

["id1"] = <

text = <"most minimal">

description = <"most minimal">

>

>

>

#### Max Description AML

### Three Languages Example

#### Three Languages Diagram

#### Three Languages ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.three\_languages.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

translations = <

["fr"] = <

language = <[ISO\_639-1::fr]>

author = <

["name"] = <"Frederik Tyler">

["email"] = <"freddy@something.somewhere.co.uk">

>

accreditation = <"British Medical Translator id 00400595">

>

["ru"] = <

language = <[ISO\_639-1::ru]>

author = <

["name"] = <"Nina Alexandrovna">

["organisation"] = <"Dostoevsky Media Services">

["email"] = <"nina@translation.dms.ru">

>

accreditation = <"Russian Translator id 892230-3A">

>

>

description

original\_author = <

["name"] = <"author name">

["email"] = <"someone@home">

>

details = <

["fr"] = <

language = <[ISO\_639-1::fr]>

purpose = <"a quoi ça sert">

use = <"ceçi explique la fonction de l'archetype">

keywords = <"ceçi", "est", "une", "liste", "de", "mots", "clés">

misuse = <"les interdictions de l'utilisation de cet archetype">

original\_resource\_uri = <

["ligne guide"] = <"http://guidelines.are.us/wherever/fr">

["medline"] = <"http://some%20medline%20ref">

>

>

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"what this is for">

use = <"this explains the usage of the archetype">

keywords = <"this", "is", "a", "list", "of", "keywords">

misuse = <"this is not what it is used for">

original\_resource\_uri = <

["guideline"] = <"http://guidelines.are.us/wherever/en">

["medline"] = <"http://some%20medline%20ref">

>

>

["ru"] = <

language = <[ISO\_639-1::ru]>

purpose = <"funktsiia">

use = <"v kakih sluchaiah ispol'zuetsia dannii arkhetip">

keywords = <"eto", "spisok", "kliuchevih", "slov">

misuse = <"Eto ob'iasniaet, pochemu etot arkhetip bil ispol'zovan ne po prednaznacheniiu">

original\_resource\_uri = <

["guideline"] = <"http://guidelines.are.us/wherever/ru">

["medline"] = <"http://some%20medline%20ref">

>

>

>

lifecycle\_state = <"unmanaged">

other\_contributors = <"friend 1", "friend 2", "friend 3">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"this is mine, mine, mine I tell you! Since 2003">

definition

OBSERVATION[id1] matches { -- most minimal

data

}

terminology

term\_definitions = <

["fr"] = <

["id1"] = <

text = <"le plus minimal">

description = <"le plus minimal">

>

>

["en"] = <

["id1"] = <

text = <"most minimal">

description = <"most minimal">

>

>

["ru"] = <

["id1"] = <

text = <"le plus minimal">

description = <"le plus minimal">

>

>

>

#### Three Languages AML

### Long Lines Example

#### Long Lines Diagram

#### Long Lines ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-TEST\_PKG-ENTRY.long\_lines.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"author name">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"what this is for">

use = <"this is what it is used for, this could be a really long line or even

multiple lines, just like

what you are reading now">

keywords = <"this", "is", "a", "list", "keywords">

misuse = <"this is not what it is used for">

original\_resource\_uri = <

["guideline"] = <"http://guidelines.are.us/wherever/en">

["medline"] = <"http://some%20medline%20ref">

>

>

>

lifecycle\_state = <"unmanaged">

other\_contributors = <"friend 1", ...>

other\_details = <

["regression"] = <"PASS">

>

copyright = <"this is mine, mine, mine I tell you! Since 2003.

And another thing.

And another">

definition

ENTRY[id1] matches { -- most minimal sdfasdjb adsnfsadf s dns cshdisdh;sidoew dfhswdisdh sd swdf

element\_attr

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"most minimal sdfasdjb adsnfsadf s dns cshdisdh;sidoew dfhswdisdh sd swdf

sdfsdf sdf sdfs sds a saof sodfhsdf sdf ashsdos ss sjhsdoisd shsdic sos shdodshdsf

sdfsdf sdf sdfs sds a saof sodfhsdf sdf">

description = <"long lines of description asf asdf wfs f dsfwewfvkuwbefovewfd ewfvhewofn wefv

ewdfcewfc ewdfch ofd ewdchew cwec ewfv ewfvwec ewfvcoidsc d d s sdfch swhd dc

dwf wsdswfvwd">

>

>

>

#### Long Lines AML

## Tuples Examples

### DV Ordinals Example

#### DV Ordinals Diagram

#### DV Ordinals ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openehr-TEST\_PKG-SOME\_TYPE.dv\_ordinals.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test ADL ordinal syntax">

keywords = <"ADL", "ordinal", "test">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"copyright (c) 2004 The openEHR Foundation">

definition

SOME\_TYPE[id1] matches { -- root item

standard\_ordinal\_attr matches {

DV\_ORDINAL[id5] matches { -- ordinal 1

value matches {0}

symbol matches {

DV\_CODED\_TEXT[id8] matches {

defining\_code matches {[at2]}

}

}

}

DV\_ORDINAL[id6] matches { -- ordinal 2

value matches {1}

symbol matches {

DV\_CODED\_TEXT[id9] matches {

defining\_code matches {[at3]}

}

}

}

DV\_ORDINAL[id7] matches { -- ordinal 3

value matches {2}

symbol matches {

DV\_CODED\_TEXT[id10] matches {

defining\_code matches {[at4]}

}

}

}

}

clinical\_ordinal\_attr\_1 matches {

DV\_ORDINAL[id11] matches {

[value, symbol] matches {

[{0}, {[at2]}],

[{1}, {[at3]}],

[{2}, {[at4]}]

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"root item">

description = <"xxxx">

>

["at2"] = <

text = <"+">

description = <"mild">

>

["at3"] = <

text = <"++">

description = <"medium">

>

["at4"] = <

text = <"+++">

description = <"severe">

>

["id5"] = <

text = <"ordinal 1">

description = <"ordinal 1">

>

["id6"] = <

text = <"ordinal 2">

description = <"ordinal 2">

>

["id7"] = <

text = <"ordinal 3">

description = <"ordinal 3">

>

["ac1"] = <

text = <"root item">

description = <"xxxx">

>

>

>

value\_sets = <

["ac1"] = <

id = <"ac1">

members = <"at2", "at3", "at4">

>

>

#### DV Ordinals AML

### DV Quantity Magnitude Type Conv Example

#### DV Quantity Magnitude Type Conv Diagram

#### DV Quantity Magnitude Type Conv ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openehr-TEST\_PKG-SOME\_TYPE.dv\_quantity\_magnitude\_type\_conv.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Illustrates behaviour of workbench when DV\_QUANTITY field of wrong type - magnitudes are wrongly integers not reals - these are silently converted">

keywords = <"ADL", "test">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"copyright (c) 2005 The openEHR Foundation">

definition

SOME\_TYPE[id1] matches { -- root item

clinical\_quantity\_attr\_1 matches {

DV\_QUANTITY[id2] matches {

property matches {[at1]}

[units, magnitude] matches {

[{"C"}, {|>=0|}],

[{"F"}, {|>=0|}]

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"root item">

description = <"xxxx">

>

["at1"] = <

text = <"(added by post-parse processor)">

description = <"(added by post-parse processor)">

>

>

>

term\_bindings = <

["openehr"] = <

["at1"] = <http://openehr.org/id/127>

>

>

#### DV Quantity Magnitude Type Conv AML

### DV Quantity Node IDs Example

#### DV Quantity Node IDs Diagram

#### DV Quantity Node IDs ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openehr-TEST\_PKG-SOME\_TYPE.dv\_quantity\_node\_ids.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Illustrates DV\_QUANTITYs with at-codes containing alternate constraints, including no magnitude">

keywords = <"ADL", "test">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"copyright (c) 2004 The openEHR Foundation">

definition

SOME\_TYPE[id1] matches { -- root item

clinical\_quantity\_attr\_2 matches {

DV\_QUANTITY[id4] matches { -- first instance

property matches {[at4]}

units matches {"C", "F"}

}

DV\_QUANTITY[id5] matches { -- second instance

property matches {[at5]}

units matches {"K", "F"}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"root item">

description = <"xxxx">

>

["at2"] = <

text = <"Centigrade temperature">

description = <"Centigrade temperature">

>

["at3"] = <

text = <"Fahrenheit temperature">

description = <"Fahrenheit temperature">

>

["id4"] = <

text = <"first instance">

description = <"first instance">

>

["id5"] = <

text = <"second instance">

description = <"second instance">

>

["at4"] = <

text = <"Temperature">

description = <"Temperature">

>

["at5"] = <

text = <"Temperature">

description = <"Temperature">

>

>

>

term\_bindings = <

["openehr"] = <

["at4"] = <http://openehr.org/id/127>

["at5"] = <http://openehr.org/id/127>

>

>

#### DV Quantity Node IDs AML

### DV Quantity Tuple Example

#### DV Quantity Tuple Diagram

#### DV Quantity Tuple ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openehr-TEST\_PKG-SOME\_TYPE.dv\_quantity\_tuple.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Illustrates DV\_QUANTITY tuple constraints">

keywords = <"ADL", "test">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"copyright (c) 2013 The openEHR Foundation">

definition

SOME\_TYPE[id1] matches { -- root item

clinical\_quantity\_attr\_1 matches {

DV\_QUANTITY[id2] matches {

property matches {[at1]}

[units, magnitude] matches {

[{"C"}, {|>=4.0|}],

[{"F"}, {|>=40.0|}]

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"root item">

description = <"xxxx">

>

["at1"] = <

text = <"Temperature">

description = <"Temperature">

>

>

>

term\_bindings = <

["openehr"] = <

["at1"] = <http://openehr.org/id/127>

>

>

#### DV Quantity Tuple AML

### DV Quantity Variations Example

#### DV Quantity Variations Diagram

#### DV Quantity Variations ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openehr-TEST\_PKG-SOME\_TYPE.dv\_quantity\_variations\_1.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Illustrates variationns on DV\_QUANTITY constraints">

keywords = <"ADL", "test">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"copyright (c) 2004 The openEHR Foundation">

definition

SOME\_TYPE[id1] matches { -- root item

standard\_quantity\_attr matches {

DV\_QUANTITY[id2] matches { -- Centigrade temperature

units matches {"C"}

magnitude matches {|>=4.0|}

}

DV\_QUANTITY[id3] matches { -- Fahrenheit temperature

units matches {"F"}

magnitude matches {|>=40.0|}

}

}

clinical\_quantity\_attr\_1 matches {

DV\_QUANTITY[id4] matches {

property matches {[at1]}

[units, magnitude] matches {

[{"C"}, {|>=4.0|}],

[{"F"}, {|>=40.0|}]

}

}

}

clinical\_quantity\_attr\_2 matches {

DV\_QUANTITY[id5] matches {

property matches {[at2]}

units matches {"C", "F"}

}

}

clinical\_quantity\_attr\_4 matches {

DV\_COUNT[id6] matches {

magnitude matches {|>=0|}

}

}

clinical\_quantity\_attr\_5 matches {

DV\_COUNT[id7] matches {

magnitude matches {|>=0|}

}

}

clinical\_quantity\_attr\_6 matches {

DV\_QUANTITY[id8] matches {

property matches {[at3]}

precision matches {2}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"root item">

description = <"xxxx">

>

["id2"] = <

text = <"Centigrade temperature">

description = <"Centigrade temperature">

>

["id3"] = <

text = <"Fahrenheit temperature">

description = <"Fahrenheit temperature">

>

["at1"] = <

text = <"Temperature">

description = <"Temperature">

>

["at2"] = <

text = <"Temperature">

description = <"Temperature">

>

["at3"] = <

text = <"Temperature">

description = <"Temperature">

>

>

>

term\_bindings = <

["openehr"] = <

["at1"] = <http://openehr.org/id/127>

["at2"] = <http://openehr.org/id/127>

["at3"] = <http://openehr.org/id/127>

>

>

#### DV Quantity Variations AML

### Property Code Phrase Example

#### Property Code Phrase Diagram

#### Property Code Phrase ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openehr-TEST\_PKG-SOME\_TYPE.property\_code\_phrase.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Illustrates DV\_QUANTITY with property of type CODE\_PHRASE rather than STRING">

keywords = <"ADL", "test">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"copyright (c) 2006 The openEHR Foundation">

definition

SOME\_TYPE[id1] matches { -- root item

standard\_quantity\_attr matches {

DV\_QUANTITY[id2] matches { -- quantity in celcius

units matches {"C"}

magnitude matches {|>=4.0|}

}

DV\_QUANTITY[id3] matches { -- quantity in fahrenheit

units matches {"F"}

magnitude matches {|>=40.0|}

}

}

clinical\_quantity\_attr\_1 matches {

DV\_QUANTITY[id4] matches {

property matches {[at1]}

[units, magnitude] matches {

[{"C"}, {|>=4.0|}],

[{"F"}, {|>=40.0|}]

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"root item">

description = <"xxxx">

>

["id2"] = <

text = <"quantity in celcius">

description = <"quantity in celcius">

>

["id3"] = <

text = <"quantity in fahrenheit">

description = <"quantity in fahrenheit">

>

["at1"] = <

text = <"Temperature">

description = <"Temperature">

>

>

>

term\_bindings = <

["openehr"] = <

["at1"] = <http://openehr.org/id/127>

>

>

#### Property Code Phrase AML

### Terms Example

#### Terms Diagram

#### Terms ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openehr-TEST\_PKG-SOME\_TYPE.terms.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test terms expressed both as vanilla C\_CODE\_PHRASEs and as syntax equivalents">

keywords = <"ADL", "test">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"copyright (c) 2004 The openEHR Foundation">

definition

SOME\_TYPE[id1] matches { -- Test

standard\_coded\_text\_attr matches {

DV\_CODED\_TEXT[id7] matches {

defining\_code matches {

CODE\_PHRASE[id2] matches { -- coded node

terminology\_id matches {

TERMINOLOGY\_ID[id8] matches {

value matches {"local"}

}

}

code\_string matches {"at112"}

}

CODE\_PHRASE[id3] matches { -- coded node

terminology\_id matches {

TERMINOLOGY\_ID[id9] matches {

value matches {"local"}

}

}

code\_string matches {"at113"}

}

CODE\_PHRASE[id4] matches { -- coded node

terminology\_id matches {

TERMINOLOGY\_ID[id10] matches {

value matches {"local"}

}

}

code\_string matches {"at114"}

}

CODE\_PHRASE[id5] matches { -- coded node

terminology\_id matches {

TERMINOLOGY\_ID[id11] matches {

value matches {"local"}

}

}

code\_string matches {"at115"}

}

CODE\_PHRASE[id6] matches { -- coded node

terminology\_id matches {

TERMINOLOGY\_ID[id12] matches {

value matches {"local"}

}

}

code\_string matches {"at116"}

}

}

}

}

standard\_coded\_text\_attr\_2 matches {

DV\_CODED\_TEXT[id13] matches {

defining\_code matches {

CODE\_PHRASE[id2] matches { -- coded node

terminology\_id matches {

TERMINOLOGY\_ID[id14] matches {

value matches {"local"}

}

}

code\_string matches {"at112", "at13", "at14", "at15", "at16"}

}

}

}

}

clinical\_coded\_text\_attr\_1 matches {

DV\_CODED\_TEXT[id15] matches {

defining\_code matches {[ac1; at112]} -- Test

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Test">

description = <"Test">

>

["id2"] = <

text = <"coded node">

description = <"coded node">

>

["id3"] = <

text = <"coded node">

description = <"coded node">

>

["id4"] = <

text = <"coded node">

description = <"coded node">

>

["id5"] = <

text = <"coded node">

description = <"coded node">

>

["id6"] = <

text = <"coded node">

description = <"coded node">

>

["at112"] = <

text = <"Anus">

description = <"Site">

>

["at113"] = <

text = <"Rectum">

description = <"Site">

>

["at114"] = <

text = <"Sigmoid">

description = <"Site">

>

["at115"] = <

text = <"Descending">

description = <"Site">

>

["at116"] = <

text = <"Splenic">

description = <"Site">

>

["ac1"] = <

text = <"Test">

description = <"Test">

>

>

>

value\_sets = <

["ac1"] = <

id = <"ac1">

members = <"at112", "at113", "at114", "at115", "at116">

>

>

#### Terms AML

## Use Archetype Examples

### Ext Ref Example

#### Ext Ref Diagram

#### Ext Ref ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-COMPOSITION.ext\_ref.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Ian McNicoll">

["organisation"] = <"Ocean Informatics">

["email"] = <"ian.mcnicoll@oceaninformatics.com">

["date"] = <"12/03/2010">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test legal external reference">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

COMPOSITION[id1] matches { -- Composition

content matches {

use\_archetype SECTION[id2, openEHR-EHR-SECTION.section\_parent.v1] occurrences matches {0..1}

use\_archetype OBSERVATION[id3, openEHR-EHR-OBSERVATION.spec\_test\_obs.v1] occurrences matches {1}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Composition">

description = <"Composition">

>

["id2"] = <

text = <"Section">

description = <"Section">

>

["id3"] = <

text = <"Observation">

description = <"Observation">

>

>

>

#### Ext Ref AML

## Use Node Examples

### Use Node Occurrences Example

#### Use Node Occurrences Diagram

#### Use Node Occurrences ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-DEMOGRAPHIC-PERSON.use\_node\_occurrences.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Thomas Beale">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test for override of occurrences in use\_node node; ">

use = <"Test">

keywords = <"test", "use\_node", "occurrences">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

PERSON[id1] matches { -- person demographics

contacts matches {

CONTACT[id6] matches { -- home contact

addresses matches {

ADDRESS[id7] occurrences matches {0..1} -- home phone number

ADDRESS[id8] occurrences matches {0..2} -- home fax number

ADDRESS[id9] -- home email address

}

}

CONTACT[id10] matches { -- work contact

addresses matches {

use\_node ADDRESS[id11] /contacts[id6]/addresses[id7] -- /contacts[home contact]/addresses[home phone number]

use\_node ADDRESS[id12] /contacts[id6]/addresses[id8] -- /contacts[home contact]/addresses[home fax number]

use\_node ADDRESS[id13] occurrences matches {1..3} /contacts[id6]/addresses[id9] -- /contacts[home contact]/addresses[home email address]

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"person demographics">

description = <"demographic person details">

>

["id6"] = <

text = <"home contact">

description = <"person's home contact details">

>

["id7"] = <

text = <"home phone number">

description = <"person's home phone number">

>

["id8"] = <

text = <"home fax number">

description = <"person's home fax number">

>

["id9"] = <

text = <"home email address">

description = <"person's home email address">

>

["id10"] = <

text = <"work contact">

description = <"person's home contact details">

>

["id11"] = <

text = <"work fax number">

description = <"person's work fax number">

>

["id12"] = <

text = <"work email address">

description = <"person's work email address">

>

["id13"] = <

text = <"work contact">

description = <"person's work contact details">

>

>

>

#### Use Node Occurrences AML

### Path Analysis Use Nodes Example

#### Path Analysis Use Nodes Diagram

#### Path Analysis Use Nodes ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.path\_analysis\_use\_nodes.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"unknown">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test for path extraction with multiple use\_node references. Three paths should be visible that end in [at0013] in the path analysis.">

use = <"">

keywords = <"labs", "pathology", "biochemistry", "laboratory">

misuse = <"">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

definition

OBSERVATION[id1] matches { -- Laboratory result

data matches {

HISTORY[id2] matches {

events cardinality matches {1..\*; unordered} matches {

EVENT[id3] occurrences matches {0..\*} matches { -- Any event

data matches {

ITEM\_TREE[id4] matches {

items matches {

CLUSTER[id12] matches { -- level 1

name matches {

DV\_CODED\_TEXT[id23] matches {

defining\_code matches {[ac1]} -- =LOINC::Battery\_name

}

}

items matches {

CLUSTER[id13] matches { -- level 2

name matches {

DV\_CODED\_TEXT[id24] matches {

defining\_code matches {[ac2]} -- =LOINC::Battery\_name

}

}

items matches {

use\_node ELEMENT[id21] /data[id2]/events[id3]/data[id4]/items[id14] -- /data[id2]/events[Any event]/data[id4]/items[Any result]

}

}

use\_node ELEMENT[id22] /data[id2]/events[id3]/data[id4]/items[id14] -- /data[id2]/events[Any event]/data[id4]/items[Any result]

}

}

ELEMENT[id14] -- Any result

}

}

}

}

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Laboratory result">

description = <"Generic laboratory result archetype to allow terminology driven results on a generic framework">

>

["id3"] = <

text = <"Any event">

description = <"Any event in a time series">

>

["id12"] = <

text = <"level 1">

description = <"A cluster to enable level one battery labels">

>

["id13"] = <

text = <"level 2">

description = <"A cluster to enable level 2 battery labels">

>

["id14"] = <

text = <"Any result">

description = <"Generic result - data type is not set">

>

["id21"] = <

text = <"ref 1">

description = <"Use node ref #1">

>

["id22"] = <

text = <"ref 2">

description = <"Use node ref #2">

>

["ac1"] = <

text = <"=LOINC::Battery\_name">

description = <"Any name for a set of tests from the LOINC set of battery names">

>

["ac2"] = <

text = <"=LOINC::Battery\_name">

description = <"Any name for a set of tests from the LOINC set of battery names">

>

>

>

#### Path Analysis Use Nodes AML

### Use Node Multiple Example

#### Use Node Multiple Diagram

#### Use Node Multiple ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.apgar.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Sam Heard">

["organisation"] = <"Ocean Informatics">

["email"] = <"sam.heard@oceaninformatics.com">

["date"] = <"2004-05-18">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"Test use node references">

>

>

lifecycle\_state = <"unmanaged">

copyright = <"© openEHR Foundation">

other\_details = <

["regression"] = <"PASS">

>

definition

OBSERVATION[id1] matches { -- Apgar score

data matches {

HISTORY[id3] matches {

events cardinality matches {1..\*; unordered} matches {

POINT\_EVENT[id4] occurrences matches {0..1} matches { -- 1 minute

offset matches {

DV\_DURATION[id46] matches {

value matches {PT1M}

}

}

data matches {

ITEM\_LIST[id2] matches {

items cardinality matches {1..6; ordered} matches {

ELEMENT[id10] occurrences matches {0..1} matches { -- Respiratory effort

value matches {

DV\_ORDINAL[id47] matches {

[value, symbol] matches {

[{0}, {[at11]}],

[{1}, {[at12]}],

[{2}, {[at13]}]

}

}

}

}

ELEMENT[id6] occurrences matches {0..1} matches { -- Heart Rate

value matches {

DV\_ORDINAL[id48] matches {

[value, symbol] matches {

[{0}, {[at7]}],

[{1}, {[at8]}],

[{2}, {[at9]}]

}

}

}

}

ELEMENT[id14] occurrences matches {0..1} matches { -- Muscle tone

value matches {

DV\_ORDINAL[id49] matches {

[value, symbol] matches {

[{0}, {[at15]}],

[{1}, {[at16]}],

[{2}, {[at17]}]

}

}

}

}

ELEMENT[id18] occurrences matches {0..1} matches { -- Reflex irritability

value matches {

DV\_ORDINAL[id50] matches {

[value, symbol] matches {

[{0}, {[at19]}],

[{1}, {[at20]}],

[{2}, {[at21]}]

}

}

}

}

ELEMENT[id22] occurrences matches {0..1} matches { -- Skin colour

value matches {

DV\_ORDINAL[id51] matches {

[value, symbol] matches {

[{0}, {[at23]}],

[{1}, {[at24]}],

[{2}, {[at25]}]

}

}

}

}

ELEMENT[id26] occurrences matches {0..1} matches { -- Total

value matches {

DV\_COUNT[id52] matches {

magnitude matches {|0..10|}

}

}

}

}

}

}

}

POINT\_EVENT[id27] occurrences matches {0..1} matches { -- 2 minute

offset matches {

DV\_DURATION[id53] matches {

value matches {PT2M}

}

}

data matches {

use\_node ITEM\_LIST[id41] /data[id3]/events[id4]/data[id2] -- /data[id3]/events[1 minute]/data[id2]

}

}

POINT\_EVENT[id28] occurrences matches {0..1} matches { -- 3 minute

offset matches {

DV\_DURATION[id54] matches {

value matches {PT3M}

}

}

data matches {

use\_node ITEM\_LIST[id42] /data[id3]/events[id4]/data[id2] -- /data[id3]/events[1 minute]/data[id2]

}

}

POINT\_EVENT[id29] occurrences matches {0..1} matches { -- 5 minute

offset matches {

DV\_DURATION[id55] matches {

value matches {PT5M}

}

}

data matches {

use\_node ITEM\_LIST[id43] /data[id3]/events[id4]/data[id2] -- /data[id3]/events[1 minute]/data[id2]

}

}

POINT\_EVENT[id32] occurrences matches {0..1} matches { -- 10 minute

offset matches {

DV\_DURATION[id56] matches {

value matches {PT10M}

}

}

data matches {

use\_node ITEM\_LIST[id44] /data[id3]/events[id4]/data[id2] -- /data[id3]/events[1 minute]/data[id2]

}

}

EVENT[id38] occurrences matches {0..\*} matches { -- Any event

data matches {

use\_node ITEM\_LIST[id45] /data[id3]/events[id4]/data[id2] -- /data[id3]/events[1 minute]/data[id2]

}

}

}

}

}

protocol matches {

ITEM\_LIST[id30] matches {

items matches {

ELEMENT[id31] occurrences matches {0..1} matches { -- Notes on measurement

value matches {

DV\_TEXT[id57]

}

}

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Apgar score">

description = <"Clinical score derived from assessment of respiratory effort, heart rate, reflex irritability, muscle tone and skin colour.">

>

["id4"] = <

text = <"1 minute">

description = <"Apgar score 1 minute after birth.">

>

["id6"] = <

text = <"Heart Rate">

description = <"Recording of the infant's heart rate.">

>

["at7"] = <

text = <"Absent">

description = <"No heart beat is seen, felt or heard.">

>

["at8"] = <

text = <"<100 beats per minute">

description = <"Heart rate less than 100 beats per minute.">

>

["at9"] = <

text = <"≥100 beats per minute">

description = <"Heart rate greater than or equal to 100 beats per minute.">

>

["id10"] = <

text = <"Respiratory effort">

description = <"Observation of the infant's respiratory effort.">

>

["at11"] = <

text = <"Absent">

description = <"No effort to breath.">

>

["at12"] = <

text = <"Weak or irregular">

description = <"Some effort to breath, moving chest.">

>

["at13"] = <

text = <"Normal">

description = <"Breathing normally or crying.">

>

["id14"] = <

text = <"Muscle tone">

description = <"Observation of the infant's muscle tone.">

>

["at15"] = <

text = <"Limp or flaccid">

description = <"No spontaneous movement.">

>

["at16"] = <

text = <"Reduced tone">

description = <"Some flexion of extremities.">

>

["at17"] = <

text = <"Normal tone">

description = <"Normal, vigorous movements.">

>

["id18"] = <

text = <"Reflex irritability">

description = <"Observation of the response of the infant to an irritant stimulation, for example, suctioning the oropharynx and nares with a soft rubber catheter.">

>

["at19"] = <

text = <"No response">

description = <"No response to stimulation.">

>

["at20"] = <

text = <"Reduced response">

description = <"Grimace or feeble cry when stimulated.">

>

["at21"] = <

text = <"Normal response">

description = <"Grimace, sneeze, cough or pulls away when stimulated.">

>

["id22"] = <

text = <"Skin colour">

description = <"Observation of the skin colour of the infant.">

>

["at23"] = <

text = <"Completely blue">

description = <"Body and extremities are blue.">

>

["at24"] = <

text = <"Body pink; extremities blue">

description = <"Body is pink; extremities are blue.">

>

["at25"] = <

text = <"Completely pink">

description = <"Body and extremities are pink; no cyanosis.">

>

["id26"] = <

text = <"Total">

description = <"The sum of the 5 ordinal scores for each component parameter.">

>

["id27"] = <

text = <"2 minute">

description = <"Apgar score 2 minutes after birth.">

>

["id28"] = <

text = <"3 minute">

description = <"Apgar score 3 minutes after birth.">

>

["id29"] = <

text = <"5 minute">

description = <"Apgar score 5 minutes after birth.">

>

["id31"] = <

text = <"Notes on measurement">

description = <"Notes on measurement of the Apgar score.">

>

["id32"] = <

text = <"10 minute">

description = <"Apgar score 10 minutes after birth.">

>

["id38"] = <

text = <"Any event">

description = <"Apgar score at any additional time, as required.">

>

["ac1"] = <

text = <"Respiratory effort (synthesised)">

description = <"Observation of the infant's respiratory effort. (synthesised)">

>

["ac2"] = <

text = <"Heart Rate (synthesised)">

description = <"Recording of the infant's heart rate. (synthesised)">

>

["ac3"] = <

text = <"Muscle tone (synthesised)">

description = <"Observation of the infant's muscle tone. (synthesised)">

>

["ac4"] = <

text = <"Reflex irritability (synthesised)">

description = <"Observation of the response of the infant to an irritant stimulation, for example, suctioning the oropharynx and nares with a soft rubber catheter. (synthesised)">

>

["ac5"] = <

text = <"Skin colour (synthesised)">

description = <"Observation of the skin colour of the infant. (synthesised)">

>

>

>

value\_sets = <

["ac1"] = <

id = <"ac1">

members = <"at11", "at12", "at13">

>

["ac2"] = <

id = <"ac2">

members = <"at7", "at8", "at9">

>

["ac3"] = <

id = <"ac3">

members = <"at15", "at16", "at17">

>

["ac4"] = <

id = <"ac4">

members = <"at19", "at20", "at21">

>

["ac5"] = <

id = <"ac5">

members = <"at23", "at24", "at25">

>

>

#### Use Node Multiple AML

## Value Sets Examples

### External Value Set Example

#### External Value Set Diagram

#### External Value Set ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.external\_value\_set.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Sam Heard">

["organisation"] = <"Ocean Informatics">

["email"] = <"sam.heard@oceaninformatics.com">

["date"] = <"22/03/2006">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"To test rewriting of external code list">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"© openEHR Foundation">

definition

OBSERVATION[id1] matches { -- Test Obs

protocol matches {

ITEM\_TREE[id2] matches {

items matches {

ELEMENT[id3] occurrences matches {0..1} matches { -- document state

value matches {

DV\_CODED\_TEXT[id4] matches {

defining\_code matches {[ac1; at1]} -- document state

}

}

}

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Test Obs">

description = <"Test Obs">

>

["id3"] = <

text = <"document state">

description = <"document state">

>

["ac1"] = <

text = <"document state">

description = <"document state">

>

["at1"] = <

text = <"modification">

description = <"modification">

>

["at2"] = <

text = <"creation">

description = <"creation">

>

["at3"] = <

text = <"synthesis">

description = <"synthesis">

>

["at4"] = <

text = <"unknown">

description = <"unknown">

>

["at5"] = <

text = <"deleted">

description = <"deleted">

>

["at6"] = <

text = <"attestation">

description = <"attestation">

>

>

>

term\_bindings = <

["openehr"] = <

["at1"] = <http://openehr.org/id/251>

["at2"] = <http://openehr.org/id/249>

["at3"] = <http://openehr.org/id/252>

["at4"] = <http://openehr.org/id/253>

["at5"] = <http://openehr.org/id/523>

["at6"] = <http://openehr.org/id/666>

>

>

value\_sets = <

["ac1"] = <

id = <"ac1">

members = <"at2", "at1", "at3", "at4", "at5", "at6">

>

>

#### External Value Set AML

### Internal Value Set Example

#### Internal Value Set Diagram

#### Internal Value Set ADL

archetype (adl\_version=2.0.5; rm\_release=1.0.2)

openEHR-EHR-OBSERVATION.internal\_value\_set.v1.0.0

language

original\_language = <[ISO\_639-1::en]>

description

original\_author = <

["name"] = <"Sam Heard">

["organisation"] = <"Ocean Informatics">

["email"] = <"sam.heard@oceaninformatics.com">

["date"] = <"22/03/2006">

>

details = <

["en"] = <

language = <[ISO\_639-1::en]>

purpose = <"To test rewriting of multiple code lists">

>

>

lifecycle\_state = <"unmanaged">

other\_details = <

["regression"] = <"PASS">

>

copyright = <"© openEHR Foundation">

definition

OBSERVATION[id1] matches { -- Blood Pressure

data matches {

HISTORY[id2] matches { -- history

events cardinality matches {1..\*; unordered} matches {

EVENT[id7] occurrences matches {0..\*} matches { -- any event

state matches {

ITEM\_TREE[id8] matches {

items matches {

ELEMENT[id9] occurrences matches {0..1} matches { -- Position

value matches {

DV\_CODED\_TEXT[id1045] matches {

defining\_code matches {[ac1; at1002]} -- Position

}

}

}

ELEMENT[id1044] occurrences matches {0..1} matches { -- Sleep status

value matches {

DV\_CODED\_TEXT[id1046] matches {

defining\_code matches {[ac2; at1045]} -- Sleep status

}

}

}

}

}

}

}

}

}

}

protocol matches {

ITEM\_TREE[id12] matches { -- list structure

items matches {

ELEMENT[id14] occurrences matches {0..1} matches { -- Cuff size

value matches {

DV\_CODED\_TEXT[id1047] matches {

defining\_code matches {[ac3]} -- Cuff size

}

}

}

CLUSTER[id1034] occurrences matches {0..1} matches { -- Location

items matches {

ELEMENT[id15] occurrences matches {0..1} matches { -- Location of measurement

value matches {

DV\_CODED\_TEXT[id1048] matches {

defining\_code matches {[ac4]} -- Location of measurement

}

}

}

ELEMENT[id1035] occurrences matches {0..1} matches { -- Specific location

value matches {

DV\_TEXT[id1049]

}

}

}

}

ELEMENT[id1036] occurrences matches {0..1} matches { -- Method

value matches {

DV\_CODED\_TEXT[id1050] matches {

defining\_code matches {[ac5]} -- Method

}

}

}

ELEMENT[id1039] occurrences matches {0..1} matches { -- Mean Arterial Pressure Formula

value matches {

DV\_TEXT[id1051]

}

}

ELEMENT[id1011] occurrences matches {0..1} matches { -- Diastolic endpoint

value matches {

DV\_CODED\_TEXT[id1052] matches {

defining\_code matches {[ac6]} -- Diastolic endpoint

}

}

}

}

}

}

}

terminology

term\_definitions = <

["en"] = <

["id1"] = <

text = <"Blood Pressure">

description = <"The local measurement of arterial blood pressure which is a surrogate for arterial. pressure in the systemic circulation. Most commonly, use of the term 'blood pressure' refers to measurement of brachial artery pressure in the upper arm.">

>

["id2"] = <

text = <"history">

description = <"history Structural node">

>

["at4"] = <

text = <"blood pressure">

description = <"@ internal @">

>

["at5"] = <

text = <"Systolic">

description = <"Peak systemic arterial blood pressure - measured in systolic or contraction phase of the heart cycle.">

>

["at6"] = <

text = <"Diastolic">

description = <"Minimum systemic arterial blood pressure - measured in the diastolic or relaxation phase of the heart cycle.">

>

["id7"] = <

text = <"any event">

description = <"Default event">

>

["id9"] = <

text = <"Position">

description = <"The position of the subject at the time of measurement.">

>

["id12"] = <

text = <"list structure">

description = <"list structure">

>

["id14"] = <

text = <"Cuff size">

description = <"The size of the cuff used for blood pressure measurement. ">

>

["id15"] = <

text = <"Location of measurement">

description = <"Common body sites where blood pressure is recorded.">

>

["at16"] = <

text = <"Adult Thigh">

description = <"A cuff used for an adult thigh - bladder approx 20cm x 42cm.">

>

["at17"] = <

text = <"Large Adult">

description = <"A cuff for adults with larger arms - bladder approx 16cm x 38cm.">

>

["at18"] = <

text = <"Adult">

description = <"A cuff that is standard for an adult - bladder approx 13cm x 30cm.">

>

["at26"] = <

text = <"Right arm">

description = <"The right arm of the person.">

>

["at27"] = <

text = <"Left arm">

description = <"The left arm of the person.">

>

["at28"] = <

text = <"Right thigh">

description = <"The right thigh of the person.">

>

["at29"] = <

text = <"Left thigh">

description = <"The left thigh of the person.">

>

["at34"] = <

text = <"Comment">

description = <"Comment on blood pressure measurement.">

>

["at1001"] = <

text = <"Standing">

description = <"Standing at the time of blood pressure measurement.">

>

["at1002"] = <

text = <"Sitting">

description = <"Sitting (for example on bed or chair) at the time of blood pressure measurement.">

>

["at1003"] = <

text = <"Reclining">

description = <"Reclining at the time of blood pressure measurement.">

>

["at1004"] = <

text = <"Lying">

description = <"Lying flat at the time of blood pressure measurement.">

>

["at1006"] = <

text = <"Tilt">

description = <"The craniocaudal tilt of the surface on which the person is lying at the time of measurement.">

>

["at1007"] = <

text = <"Mean Arterial Pressure">

description = <"The average arterial pressure that occurs over the entire course of the heart contraction and relaxation cycle.">

>

["at1008"] = <

text = <"Pulse Pressure">

description = <"The difference between the systolic and diastolic pressure.">

>

["at1009"] = <

text = <"Small Adult">

description = <"A cuff used for a small adult - bladder approx 10cm x 24cm.">

>

["at1010"] = <

text = <"Paediatric/Child">

description = <"A cuff that is appropriate for a child or adult with a thin arm - bladder approx 8cm x 21cm.">

>

["id1011"] = <

text = <"Diastolic endpoint">

description = <"Record which Korotkoff sound is used for determining diastolic pressure using auscultative method.">

>

["at1012"] = <

text = <"Phase IV">

description = <"The fourth Korotkoff sound is identified as an abrupt muffling of sounds.">

>

["at1013"] = <

text = <"Phase V">

description = <"The fifth Korotkoff sound is identified by absence of sounds as the cuff pressure drops below the diastolic blood pressure.">

>

["at1015"] = <

text = <"Lying with tilt to left">

description = <"Lying flat with some lateral tilt, usually angled towards the left side. Commonly required in the last trimester of pregnancy to relieve aortocaval compression.">

>

["at1019"] = <

text = <"Infant">

description = <"A cuff used for infants - bladder approx 5cm x 15cm.">

>

["at1020"] = <

text = <"Neonatal">

description = <"A cuff used for a neonate, assuming cuff is the appropriate size for maturity and birthweight of the neonate.">

>

["at1021"] = <

text = <"Right wrist">

description = <"The right wrist of the subject.">

>

["at1022"] = <

text = <"Left wrist">

description = <"The left wrist of the subject.">

>

["at1026"] = <

text = <"Device">

description = <"Details about sphygmomanometer or other device used to measure the blood pressure.">

>

["at1027"] = <

text = <"Right ankle">

description = <"The right ankle of the subject.">

>

["at1031"] = <

text = <"Exertion ">

description = <"Details about physical activity undertaken at the time of blood pressure.measurement.">

>

["at1032"] = <

text = <"Left ankle">

description = <"The left ankle of the subject.">

>

["at1033"] = <

text = <"Finger">

description = <"A finger of the subject. Identification of the finger can be recorded in 'Specific Location' data element, if required.">

>

["id1034"] = <

text = <"Location">

description = <"Body location where blood pressure is measured. Use 'Location of measurement' to select from common sites. Use 'Specific location' to record more specific details or a site that is not in the common set or to refer to an external terminology.">

>

["id1035"] = <

text = <"Specific location">

description = <"Specific details about the body site where blood pressure is recorded.">

>

["id1036"] = <

text = <"Method">

description = <"Method of measurement of blood pressure.">

>

["at1037"] = <

text = <"Auscultation">

description = <"Method of measuring blood pressure externally, using a stethoscope and Korotkoff sounds.">

>

["at1038"] = <

text = <"Palpation">

description = <"Method of measuring blood pressure externally, using palpation (usually of the brachial or radial arteries).">

>

["id1039"] = <

text = <"Mean Arterial Pressure Formula">

description = <"Formula used to calculate the MAP (if recorded in data).">

>

["at1040"] = <

text = <"Machine">

description = <"Method of measuring blood pressure externally, using a blood pressure machine.">

>

["at1041"] = <

text = <"Invasive">

description = <"Method of measuring blood pressure internally ie involving penetration of the skin and measuring inside blood vessels.">

>

["at1043"] = <

text = <"24 hour average ">

description = <"Estimate of the average blood pressure over a 24 hour period.">

>

["id1044"] = <

text = <"Sleep status">

description = <"Sleep status - supports interpretation of 24 hour ambulatory blood pressure records. ">

>

["at1045"] = <

text = <"Alert & awake">

description = <"Subject is fully conscious.">

>

["at1046"] = <

text = <"Sleeping">

description = <"Subject is in the natural state of bodily rest.">

>

["at1052"] = <

text = <"Toe">

description = <"A toe of the subject. Identification of the toe can be recorded in 'Specific Location' data element, if required.">

>

["at1053"] = <

text = <"Confounding factors">

description = <"Comment on and record other incidental factors that may be contributing to the blood pressure measurement. For example, level of anxiety or 'white coat syndrome'; pain or fever; changes in atmospheric pressure etc.">

>

["at1054"] = <

text = <"Intra-arterial">

description = <"Invasive measurement via transducer access line within an artery. Location of the transducer can be recorded in 'Specific Location' data element, if required.">

>

["ac1"] = <

text = <"Position">

description = <"The position of the subject at the time of measurement.">

>

["ac2"] = <

text = <"Sleep status">

description = <"Sleep status - supports interpretation of 24 hour ambulatory blood pressure records. ">

>

["ac3"] = <

text = <"Cuff size">

description = <"The size of the cuff used for blood pressure measurement. ">

>

["ac4"] = <

text = <"Location of measurement">

description = <"Common body sites where blood pressure is recorded.">

>

["ac5"] = <

text = <"Method">

description = <"Method of measurement of blood pressure.">

>

["ac6"] = <

text = <"Diastolic endpoint">

description = <"Record which Korotkoff sound is used for determining diastolic pressure using auscultative method.">

>

>

>

term\_bindings = <

["SNOMED-CT"] = <

["id1"] = <http://SNOMED-CT.info/id/163020007>

["at5"] = <http://SNOMED-CT.info/id/163030003>

["at6"] = <http://SNOMED-CT.info/id/163031004>

["id14"] = <http://SNOMED-CT.info/id/246153002>

>

>

value\_sets = <

["ac1"] = <

id = <"ac1">

members = <"at1001", "at1002", "at1003", "at1004", "at1015">

>

["ac2"] = <

id = <"ac2">

members = <"at1045", "at1046">

>

["ac3"] = <

id = <"ac3">

members = <"at16", "at17", "at18", "at1009", "at1010", "at1019", "at1020">

>

["ac4"] = <

id = <"ac4">

members = <"at26", "at27", "at28", "at29", "at1021", "at1022", "at1027", "at1032", "at1033", "at1052", "at1054">

>

["ac5"] = <

id = <"ac5">

members = <"at1037", "at1038", "at1040", "at1041">

>

["ac6"] = <

id = <"ac6">

members = <"at1012", "at1013">

>

>

#### Internal Value Set AML