Categoria: Lab

|  |  |  |
| --- | --- | --- |
| Nome | Value | Interpretation |
| <display do code.coding.code> | Resultado do exame ( value com suas diferentes versões) | interpretation.coding.display cfme  interpretation.coding.code informado no system - <http://hl7.org/fhir/R4/valueset-observation-interpretation.html> |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| Vaccine | Date administered | doseNumber |
| code.coding.display | DD/month/year month com string três letras ex: 12/Aug/2022 | doseNumber |

Colocar ícone para mais informações no final da linha ou final da tabela

|  |  |  |
| --- | --- | --- |
| Data | Date administered | doseNumber |
| code.coding.display | DD/month/year month com string três letras ex: 12/Aug/2022 | doseNumber |

Compor uma linha com:

< a data de início dos diagnósticos, se houver>+ < espaço em braço>+ <code.coding.sytem – pode colocar em cor diferente para chamar atenção>+< display do code.coding.code>+<”(“>+<code.coding.code>+”)”+<code.text se houver>

Exemplo:

2021-08-05  **http://snomed.info/sct** Heart valve disorder (368009) [Uncoded text shown]: Disorder of heart valve

Observar que data pode ser de diferentes formatos

* onsetDateTime – neste caso AAAA/MM/DD -
* onsetAge - <número da idade> + <espaço em branco> + <unidade de medida da idade > - ver - <http://hl7.org/fhir/R4/valueset-age-units.html> - mostrar o display

|  |  |  |
| --- | --- | --- |
| min | minutes |  |
| h | hours |  |
| d | days |  |
| wk | weeks |  |
| mo | months |  |
| a | years |  |

* onsetPeriod - mostrar data inicial – data final

exemplo: <**[[name]](http://hl7.org/fhir/R4/datatypes-definitions.html" \l "Period" \o "A time period defined by a start and end date and optionally time.)** xmlns=”http://hl7.org/fhir”>

<!—from Element: [extension](http://hl7.org/fhir/R4/extensibility.html) 🡪

<**[start](http://hl7.org/fhir/R4/datatypes-definitions.html" \l "Period.start" \o "The start of the period. The boundary is inclusive.)** value=”[[dateTime](http://hl7.org/fhir/R4/datatypes.html" \l "dateTime)]”/><!-- **?? 0..1** [Starting time with inclusive boundary](http://hl7.org/fhir/R4/terminologies.html#unbound) 🡪

<**[end](http://hl7.org/fhir/R4/datatypes-definitions.html" \l "Period.end" \o "The end of the period. If the end of the period is missing, it means no end was known or planned at the time the instance was created. The start may be in the past, and the end date in the future, which means that period is expected/planned to end at that time.)** value=”[[dateTime](http://hl7.org/fhir/R4/datatypes.html" \l "dateTime)]”/><!-- **?? 0..1** [End time with inclusive boundary, if not ongoing](http://hl7.org/fhir/R4/terminologies.html#unbound) 🡪

</[name]>

* onsetRange – mostrar low e high

**idLevelLocationDescription[Expression](http://hl7.org/fhir/R4/fhirpath.html)rng-2**[Rule](http://hl7.org/fhir/R4/conformance-rules.html" \l "rule)(base)If present, low SHALL have a lower value than highlow.empty() or high.empty() or (low <= high)

* onsetString – exibir o string

Patient

<name.text>

<identifier.type.coding.code> <”(“+ identifier.system+”)”+ <espaço branco> + identifier.value> (mostrar todos os identifiers que vierem)

Se não couber na mesma linha mostrar em duas

<birthdate>

Deixar um ícone para mostrar mais dados

Exemplo

**John Doe ( mostrar em negrito)**

PPN (urn.oid.2.16.152)CL/345678

HC (<http://rnds.saude.gov.br/fhir/r4/NamingSystem/cns>) 765323456798765

TAX (<http://rnds.saude.gov.br/fhir/r4/NamingSystem/cpf>) 257.015.290-02

DOB 10/02/1982

Ícone para mostrar mais informações

Devices

( se não vier nenhum device como exemplo abaixo:

"[type](http://hl7.org/fhir/R4/device.html" \l "Device.type)" : {

"[coding](http://hl7.org/fhir/R4/datatypes.html" \l "CodeableConcept#CodeableConcept.coding)" : [

{

"[system](http://hl7.org/fhir/R4/datatypes.html" \l "Coding#Coding.system)" : "http://hl7.org/fhir/uv/ips/CodeSystem/absent-unknown-uv-ips",

"[code](http://hl7.org/fhir/R4/datatypes.html" \l "Coding#Coding.code)" : "no-known-devices",

"[display](http://hl7.org/fhir/R4/datatypes.html" \l "Coding#Coding.display)" : "No known devices in use"

}

]

Exibir : o coding.display - No known devices in use

Caso venha a informação vamos mostrar alguns elementos da section:sectionMedicalDevices do compositon do IPS mais especificamente da entry:deviceStatement que se refere ao recurso DeviceUseStatement <http://hl7.org/fhir/uv/ips/STU1.1/StructureDefinition-DeviceUseStatement-uv-ips.html>

Identifier.system identifier.value (não precisa label)

status.code ( se houver ) deve ser: ( active | inactive | entered-in-error | unknown)

timing[x] (se houver ) pode ser representado de várias formas – exibir como veio -

timmingTimming – mostrar como vier – pode ter várias opções - <http://hl7.org/fhir/R4/datatypes.html#Timing>

// from BackboneElement: [extension](http://hl7.org/fhir/R4/extensibility.html), [modifierExtension](http://hl7.org/fhir/R4/extensibility.html)

"[event](http://hl7.org/fhir/R4/datatypes-definitions.html" \l "Timing.event" \o "Identifies specific times when the event occurs.)" : ["<[dateTime](http://hl7.org/fhir/R4/datatypes.html" \l "dateTime)>"], // [When the event occurs](http://hl7.org/fhir/R4/terminologies.html#unbound)

"[repeat](http://hl7.org/fhir/R4/datatypes-definitions.html" \l "Timing.repeat" \o "A set of rules that describe when the event is scheduled.)" : { // [When the event is to occur](http://hl7.org/fhir/R4/terminologies.html#unbound)

// bounds[x]: Length/Range of lengths, or (Start and/or end) limits. One of these 3:

"[boundsDuration](http://hl7.org/fhir/R4/datatypes-definitions.html" \l "Timing.repeat.boundsDuration" \o "Either a duration for the length of the timing schedule, a range of possible length, or outer bounds for start and/or end limits of the timing schedule.)" : { [Duration](http://hl7.org/fhir/R4/datatypes.html#Duration) },

"[boundsRange](http://hl7.org/fhir/R4/datatypes-definitions.html" \l "Timing.repeat.boundsRange" \o "Either a duration for the length of the timing schedule, a range of possible length, or outer bounds for start and/or end limits of the timing schedule.)" : { [Range](http://hl7.org/fhir/R4/datatypes.html#Range) },

"[boundsPeriod](http://hl7.org/fhir/R4/datatypes-definitions.html" \l "Timing.repeat.boundsPeriod" \o "Either a duration for the length of the timing schedule, a range of possible length, or outer bounds for start and/or end limits of the timing schedule.)" : { [Period](http://hl7.org/fhir/R4/datatypes.html#Period) },

"[count](http://hl7.org/fhir/R4/datatypes-definitions.html" \l "Timing.repeat.count" \o "A total count of the desired number of repetitions across the duration of the entire timing specification. If countMax is present, this element indicates the lower bound of the allowed range of count values.)" : "<[positiveInt](http://hl7.org/fhir/R4/datatypes.html" \l "positiveInt)>", // [Number of times to repeat](http://hl7.org/fhir/R4/terminologies.html#unbound)

"[countMax](http://hl7.org/fhir/R4/datatypes-definitions.html" \l "Timing.repeat.countMax" \o "If present, indicates that the count is a range - so to perform the action between [count] and [countMax] times.)" : "<[positiveInt](http://hl7.org/fhir/R4/datatypes.html" \l "positiveInt)>", // [Maximum number of times to repeat](http://hl7.org/fhir/R4/terminologies.html#unbound)

"[duration](http://hl7.org/fhir/R4/datatypes-definitions.html" \l "Timing.repeat.duration" \o "How long this thing happens for when it happens. If durationMax is present, this element indicates the lower bound of the allowed range of the duration.)" : <[decimal](http://hl7.org/fhir/R4/datatypes.html" \l "decimal)>, // [How long when it happens](http://hl7.org/fhir/R4/terminologies.html#unbound)

"[durationMax](http://hl7.org/fhir/R4/datatypes-definitions.html" \l "Timing.repeat.durationMax" \o "If present, indicates that the duration is a range - so to perform the action between [duration] and [durationMax] time length.)" : <[decimal](http://hl7.org/fhir/R4/datatypes.html" \l "decimal)>, // [How long when it happens (Max)](http://hl7.org/fhir/R4/terminologies.html#unbound)

"[durationUnit](http://hl7.org/fhir/R4/datatypes-definitions.html" \l "Timing.repeat.durationUnit" \o "The units of time for the duration, in UCUM units.)" : "<[code](http://hl7.org/fhir/R4/datatypes.html" \l "code)>", // [s | min | h | d | wk | mo | a - unit of time (UCUM)](http://hl7.org/fhir/R4/valueset-units-of-time.html)

"[frequency](http://hl7.org/fhir/R4/datatypes-definitions.html" \l "Timing.repeat.frequency" \o "The number of times to repeat the action within the specified period. If frequencyMax is present, this element indicates the lower bound of the allowed range of the frequency.)" : "<[positiveInt](http://hl7.org/fhir/R4/datatypes.html" \l "positiveInt)>", // [Event occurs frequency times per period](http://hl7.org/fhir/R4/terminologies.html#unbound)

"[frequencyMax](http://hl7.org/fhir/R4/datatypes-definitions.html" \l "Timing.repeat.frequencyMax" \o "If present, indicates that the frequency is a range - so to repeat between [frequency] and [frequencyMax] times within the period or period range.)" : "<[positiveInt](http://hl7.org/fhir/R4/datatypes.html" \l "positiveInt)>", // [Event occurs up to frequencyMax times per period](http://hl7.org/fhir/R4/terminologies.html#unbound)

"[period](http://hl7.org/fhir/R4/datatypes-definitions.html" \l "Timing.repeat.period" \o "Indicates the duration of time over which repetitions are to occur; e.g. to express \"3 times per day\", 3 would be the frequency and \"1 day\" would be the period. If periodMax is present, this element indicates the lower bound of the allowed range of the period length.)" : <[decimal](http://hl7.org/fhir/R4/datatypes.html" \l "decimal)>, // [Event occurs frequency times per period](http://hl7.org/fhir/R4/terminologies.html#unbound)

"[periodMax](http://hl7.org/fhir/R4/datatypes-definitions.html" \l "Timing.repeat.periodMax" \o "If present, indicates that the period is a range from [period] to [periodMax], allowing expressing concepts such as \"do this once every 3-5 days.)" : <[decimal](http://hl7.org/fhir/R4/datatypes.html" \l "decimal)>, // [Upper limit of period (3-4 hours)](http://hl7.org/fhir/R4/terminologies.html#unbound)

"[periodUnit](http://hl7.org/fhir/R4/datatypes-definitions.html" \l "Timing.repeat.periodUnit" \o "The units of time for the period in UCUM units.)" : "<[code](http://hl7.org/fhir/R4/datatypes.html" \l "code)>", // [s | min | h | d | wk | mo | a - unit of time (UCUM)](http://hl7.org/fhir/R4/valueset-units-of-time.html)

"[dayOfWeek](http://hl7.org/fhir/R4/datatypes-definitions.html" \l "Timing.repeat.dayOfWeek" \o "If one or more days of week is provided, then the action happens only on the specified day(s).)" : ["<[code](http://hl7.org/fhir/R4/datatypes.html" \l "code)>"], // [mon | tue | wed | thu | fri | sat | sun](http://hl7.org/fhir/R4/valueset-days-of-week.html)

"[timeOfDay](http://hl7.org/fhir/R4/datatypes-definitions.html" \l "Timing.repeat.timeOfDay" \o "Specified time of day for action to take place.)" : ["<[time](http://hl7.org/fhir/R4/datatypes.html" \l "time)>"], // [Time of day for action](http://hl7.org/fhir/R4/terminologies.html#unbound)

"[when](http://hl7.org/fhir/R4/datatypes-definitions.html" \l "Timing.repeat.when" \o "An approximate time period during the day, potentially linked to an event of daily living that indicates when the action should occur.)" : ["<[code](http://hl7.org/fhir/R4/datatypes.html" \l "code)>"], // [Code for time period of occurrence](http://hl7.org/fhir/R4/valueset-event-timing.html)

"[offset](http://hl7.org/fhir/R4/datatypes-definitions.html" \l "Timing.repeat.offset" \o "The number of minutes from the event. If the event code does not indicate whether the minutes is before or after the event, then the offset is assumed to be after the event.)" : "<[unsignedInt](http://hl7.org/fhir/R4/datatypes.html" \l "unsignedInt)>" // [Minutes from event (before or after)](http://hl7.org/fhir/R4/terminologies.html#unbound)

},

"[code](http://hl7.org/fhir/R4/datatypes-definitions.html" \l "Timing.code" \o "A code for the timing schedule (or just text in code.text). Some codes such as BID are ubiquitous, but many institutions define their own additional codes. If a code is provided, the code is understood to be a complete statement of whatever is specified in the structured timing data, and either the code or the data may be used to interpret the Timing, with the exception that .repeat.bounds still applies over the code (and is not contained in the code).)" : { [CodeableConcept](http://hl7.org/fhir/R4/datatypes.html#CodeableConcept) } // [BID | TID | QID | AM | PM | QD | QOD | +](http://hl7.org/fhir/R4/valueset-timing-abbreviation.html)

timmingPeriod – data inicial à data final

timmingDateTime – Data hora

lotNumber

manufacturer

model

deviceName.name

deviceName.type – exibir o display do code correspondente - <http://hl7.org/fhir/ValueSet/device-nametype>

type – [coding.system](http://hl7.org/fhir/uv/ips/ValueSet/medical-devices-snomed-ct-ips-free-set) + “(“+type.coding.code+”)”+ type.coding.display ( name do conceito no Serviço de terminologia )

Deixar ícone para mostrar mais dados

exemplo

{

"resourceType": "Device",

"id": "f001",

"text": {

"status": "generated",

"div": "<div xmlns=\"http://www.w3.org/1999/xhtml\"><p><b>Generated Narrative with Details</b></p><p><b>id</b>: f001</p><p><b>identifier</b>: 12345</p><p><b>status</b>: active</p><p><b>type</b>: Feeding tube, device <span>(Details : {SNOMED CT code '25062003' = 'Feeding tube', given as 'Feeding tube, device'})</span></p><p><b>manufactureDate</b>: Aug 8, 2015</p><p><b>expirationDate</b>: Aug 8, 2020</p><p><b>owner</b>: <a>Organization/2.16.840.1.113883.19.5</a></p><p><b>location</b>: Central Supply</p></div>"

},

"identifier": [

{

"system": "http:/goodhealthhospital/identifier/devices",

"value": "12345"

}

],

"status": "active",

"type": {

"coding": [

{

"system": "http://snomed.info/sct",

"code": "25062003",

"display": "Feeding tube, device"

}

]

},

"manufactureDate": "2015-08-08",

"expirationDate": "2020-08-08",

"owner": {

"reference": "Organization/2.16.840.1.113883.19.5"

},

"location": {

"display": "Central Supply"

}

}