

```

"MedicationRequest": {
  "description": "An order or request for both supply of the medication and the instructions for
administration of the medication to a patient. The resource is called \"MedicationRequest\"
rather than \"MedicationPrescription\" or \"MedicationOrder\" to generalize the use across
inpatient and outpatient settings, including care plans, etc., and to harmonize with workflow
patterns.",
  "properties": {
    "resourceType": {
      "description": "This is a MedicationRequest resource",
      "const": "MedicationRequest"
    },
    "id": {
      "description": "The logical id of the resource, as used in the URL for the resource. Once
assigned, this value never changes.",
      "$ref": "#/definitions/id"
    },
    "meta": {
      "description": "The metadata about the resource. This is content that is maintained by the
infrastructure. Changes to the content might not always be associated with version changes to
the resource.",
      "$ref": "#/definitions/Meta"
    },
    "implicitRules": {
      "description": "A reference to a set of rules that were followed when the resource was
constructed, and which must be understood when processing the content. Often, this is a
reference to an implementation guide that defines the special rules along with other profiles
etc.",
      "$ref": "#/definitions/uri"
    },
    "_implicitRules": {
      "description": "Extensions for implicitRules",
      "$ref": "#/definitions/Element"
    },
    "language": {
      "description": "The base language in which the resource is written.",
      "$ref": "#/definitions/code"
    },
    "_language": {
      "description": "Extensions for language",
      "$ref": "#/definitions/Element"
    },
    "text": {
      "description": "A human-readable narrative that contains a summary of the resource and
can be used to represent the content of the resource to a human. The narrative need not

```

encode all the structured data, but is required to contain sufficient detail to make it \"clinically safe\" for a human to just read the narrative. Resource definitions may define what content should be represented in the narrative to ensure clinical safety.",

```
"$ref": "#/definitions/Narrative"
},
"contained": {
  "description": "These resources do not have an independent existence apart from the
resource that contains them - they cannot be identified independently, and nor can they have
their own independent transaction scope.",
  "items": {
    "$ref": "#/definitions/ResourceList"
  },
  "type": "array"
},
"extension": {
  "description": "May be used to represent additional information that is not part of the basic
definition of the resource. To make the use of extensions safe and manageable, there is a strict
set of governance applied to the definition and use of extensions. Though any implementer can
define an extension, there is a set of requirements that SHALL be met as part of the definition of
the extension.",
  "items": {
    "$ref": "#/definitions/Extension"
  },
  "type": "array"
},
"modifierExtension": {
  "description": "May be used to represent additional information that is not part of the basic
definition of the resource and that modifies the understanding of the element that contains it
and/or the understanding of the containing element's descendants. Usually modifier
elements provide negation or qualification. To make the use of extensions safe and
manageable, there is a strict set of governance applied to the definition and use of extensions.
Though any implementer is allowed to define an extension, there is a set of requirements that
SHALL be met as part of the definition of the extension. Applications processing a resource are
required to check for modifier extensions.\n\nModifier extensions SHALL NOT change the
meaning of any elements on Resource or DomainResource (including cannot change the
meaning of modifierExtension itself).",
  "items": {
    "$ref": "#/definitions/Extension"
  },
  "type": "array"
},
"identifier": {
  "description": "Identifiers associated with this medication request that are defined by
business processes and/or used to refer to it when a direct URL reference to the resource itself
```

is not appropriate. They are business identifiers assigned to this resource by the performer or other systems and remain constant as the resource is updated and propagates from server to server.",

```
    "items": {
      "$ref": "#/definitions/Identifier"
    },
    "type": "array"
  },
  "status": {
    "description": "A code specifying the current state of the order. Generally, this will be active or completed state.",
    "$ref": "#/definitions/code"
  },
  "_status": {
    "description": "Extensions for status",
    "$ref": "#/definitions/Element"
  },
  "statusReason": {
    "description": "Captures the reason for the current state of the MedicationRequest.",
    "$ref": "#/definitions/CodeableConcept"
  },
  "intent": {
    "description": "Whether the request is a proposal, plan, or an original order.",
    "$ref": "#/definitions/code"
  },
  "_intent": {
    "description": "Extensions for intent",
    "$ref": "#/definitions/Element"
  },
  "category": {
    "description": "Indicates the type of medication request (for example, where the medication is expected to be consumed or administered (i.e. inpatient or outpatient)).",
    "items": {
      "$ref": "#/definitions/CodeableConcept"
    },
    "type": "array"
  },
  "priority": {
    "description": "Indicates how quickly the Medication Request should be addressed with respect to other requests.",
    "$ref": "#/definitions/code"
  },
  "_priority": {
    "description": "Extensions for priority",
```

```

    "$ref": "#/definitions/Element"
  },
  "doNotPerform": {
    "description": "If true indicates that the provider is asking for the medication request not to occur.",
    "$ref": "#/definitions/boolean"
  },
  "_doNotPerform": {
    "description": "Extensions for doNotPerform",
    "$ref": "#/definitions/Element"
  },
  "reportedBoolean": {
    "description": "Indicates if this record was captured as a secondary \u0027reported\u0027 record rather than as an original primary source-of-truth record. It may also indicate the source of the report.",
    "pattern": "^true|false$",
    "type": "boolean"
  },
  "_reportedBoolean": {
    "description": "Extensions for reportedBoolean",
    "$ref": "#/definitions/Element"
  },
  "reportedReference": {
    "description": "Indicates if this record was captured as a secondary \u0027reported\u0027 record rather than as an original primary source-of-truth record. It may also indicate the source of the report.",
    "$ref": "#/definitions/Reference"
  },
  "medicationCodeableConcept": {
    "description": "Identifies the medication being requested. This is a link to a resource that represents the medication which may be the details of the medication or simply an attribute carrying a code that identifies the medication from a known list of medications.",
    "$ref": "#/definitions/CodeableConcept"
  },
  "medicationReference": {
    "description": "Identifies the medication being requested. This is a link to a resource that represents the medication which may be the details of the medication or simply an attribute carrying a code that identifies the medication from a known list of medications.",
    "$ref": "#/definitions/Reference"
  },
  "subject": {
    "description": "A link to a resource representing the person or set of individuals to whom the medication will be given.",
    "$ref": "#/definitions/Reference"
  }

```

```

    },
    "encounter": {
      "description": "The Encounter during which this [x] was created or to which the creation of
this record is tightly associated.",
      "$ref": "#/definitions/Reference"
    },
    "supportingInformation": {
      "description": "Include additional information (for example, patient height and weight) that
supports the ordering of the medication.",
      "items": {
        "$ref": "#/definitions/Reference"
      },
      "type": "array"
    },
    "authoredOn": {
      "description": "The date (and perhaps time) when the prescription was initially written or
authored on.",
      "$ref": "#/definitions/dateTime"
    },
    "_authoredOn": {
      "description": "Extensions for authoredOn",
      "$ref": "#/definitions/Element"
    },
    "requester": {
      "description": "The individual, organization, or device that initiated the request and has
responsibility for its activation.",
      "$ref": "#/definitions/Reference"
    },
    "performer": {
      "description": "The specified desired performer of the medication treatment (e.g. the
performer of the medication administration).",
      "$ref": "#/definitions/Reference"
    },
    "performerType": {
      "description": "Indicates the type of performer of the administration of the medication.",
      "$ref": "#/definitions/CodeableConcept"
    },
    "recorder": {
      "description": "The person who entered the order on behalf of another individual for
example in the case of a verbal or a telephone order.",
      "$ref": "#/definitions/Reference"
    },
    "reasonCode": {
      "description": "The reason or the indication for ordering or not ordering the medication.",

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```

    "items": {
      "$ref": "#/definitions/CodeableConcept"
    },
    "type": "array"
  },
  "reasonReference": {
    "description": "Condition or observation that supports why the medication was ordered.",
    "items": {
      "$ref": "#/definitions/Reference"
    },
    "type": "array"
  },
  "instantiatesCanonical": {
    "description": "The URL pointing to a protocol, guideline, orderset, or other definition that
is adhered to in whole or in part by this MedicationRequest.",
    "items": {
      "$ref": "#/definitions/canonical"
    },
    "type": "array"
  },
  "_instantiatesCanonical": {
    "description": "Extensions for instantiatesCanonical",
    "items": {
      "$ref": "#/definitions/Element"
    },
    "type": "array"
  },
  "instantiatesUri": {
    "description": "The URL pointing to an externally maintained protocol, guideline, orderset
or other definition that is adhered to in whole or in part by this MedicationRequest.",
    "items": {
      "$ref": "#/definitions/uri"
    },
    "type": "array"
  },
  "_instantiatesUri": {
    "description": "Extensions for instantiatesUri",
    "items": {
      "$ref": "#/definitions/Element"
    },
    "type": "array"
  },
  "basedOn": {

```

```

    "description": "A plan or request that is fulfilled in whole or in part by this medication request.",
    "items": {
      "$ref": "#/definitions/Reference"
    },
    "type": "array"
  },
  "groupIdentifier": {
    "description": "A shared identifier common to all requests that were authorized more or less simultaneously by a single author, representing the identifier of the requisition or prescription.",
    "$ref": "#/definitions/Identifier"
  },
  "courseOfTherapyType": {
    "description": "The description of the overall pattern of the administration of the medication to the patient.",
    "$ref": "#/definitions/CodeableConcept"
  },
  "insurance": {
    "description": "Insurance plans, coverage extensions, pre-authorizations and/or pre-determinations that may be required for delivering the requested service.",
    "items": {
      "$ref": "#/definitions/Reference"
    },
    "type": "array"
  },
  "note": {
    "description": "Extra information about the prescription that could not be conveyed by the other attributes.",
    "items": {
      "$ref": "#/definitions/Annotation"
    },
    "type": "array"
  },
  "dosageInstruction": {
    "description": "Indicates how the medication is to be used by the patient.",
    "items": {
      "$ref": "#/definitions/Dosage"
    },
    "type": "array"
  },
  "dispenseRequest": {
    "description": "Indicates the specific details for the dispense or medication supply part of a medication request (also known as a Medication Prescription or Medication Order). Note that

```

this information is not always sent with the order. There may be in some settings (e.g. hospitals) institutional or system support for completing the dispense details in the pharmacy department.",

```
    "$ref": "#/definitions/MedicationRequest_DispenseRequest"
  },
  "substitution": {
    "description": "Indicates whether or not substitution can or should be part of the dispense.
In some cases, substitution must happen, in other cases substitution must not happen. This
block explains the prescriber's intent. If nothing is specified substitution may be done.",
    "$ref": "#/definitions/MedicationRequest_Substitution"
  },
  "priorPrescription": {
    "description": "A link to a resource representing an earlier order related order or
prescription.",
    "$ref": "#/definitions/Reference"
  },
  "detectedIssue": {
    "description": "Indicates an actual or potential clinical issue with or between one or more
active or proposed clinical actions for a patient; e.g. Drug-drug interaction, duplicate therapy,
dosage alert etc.",
    "items": {
      "$ref": "#/definitions/Reference"
    },
    "type": "array"
  },
  "eventHistory": {
    "description": "Links to Provenance records for past versions of this resource or fulfilling
request or event resources that identify key state transitions or updates that are likely to be
relevant to a user looking at the current version of the resource.",
    "items": {
      "$ref": "#/definitions/Reference"
    },
    "type": "array"
  }
},
"additionalProperties": false,
"required": [
  "subject",
  "resourceType"
]
```

ADDITIONAL DOCUMENTATION:


```

{
  "resourceType" : "MedicationRequest",
  // from Resource: id, meta, implicitRules, and language
  // from DomainResource: text, contained, extension, and modifierExtension
  "identifier" : [{ Identifier }], // External ids for this request
  "status" : "<code>", // R! active | on-hold | cancelled | completed | entered-in-error | stopped |
draft | unknown
  "statusReason" : { CodeableConcept }, // Reason for current status
  "intent" : "<code>", // R! proposal | plan | order | original-order | reflex-order | filler-order |
instance-order | option
  "category" : [{ CodeableConcept }], // Type of medication usage
  "priority" : "<code>", // routine | urgent | asap | stat
  "doNotPerform" : <boolean>, // True if request is prohibiting action
  // reported[x]: Reported rather than primary record. One of these 2:
  "reportedBoolean" : <boolean>,
  "reportedReference" : { Reference(Patient|Practitioner|PractitionerRole|
RelatedPerson|Organization) },
  // medication[x]: Medication to be taken. One of these 2:
  "medicationCodeableConcept" : { CodeableConcept },
  "medicationReference" : { Reference(Medication) },
  "subject" : { Reference(Patient|Group) }, // R! Who or group medication request is for
  "encounter" : { Reference(Encounter) }, // Encounter created as part of
encounter/admission/stay
  "supportingInformation" : [{ Reference(Any) }], // Information to support ordering of the
medication
  "authoredOn" : "<dateTime>", // When request was initially authored
  "requester" : { Reference(Practitioner|PractitionerRole|Organization|
Patient|RelatedPerson|Device) }, // Who/What requested the Request
  "performer" : { Reference(Practitioner|PractitionerRole|Organization|
Patient|Device|RelatedPerson|CareTeam) }, // Intended performer of administration
  "performerType" : { CodeableConcept }, // Desired kind of performer of the medication
administration
  "recorder" : { Reference(Practitioner|PractitionerRole) }, // Person who entered the request
  "reasonCode" : [{ CodeableConcept }], // Reason or indication for ordering or not ordering the
medication
  "reasonReference" : [{ Reference(Condition|Observation) }], // Condition or observation that
supports why the prescription is being written
  "instantiatesCanonical" : ["<canonical>"], // Instantiates FHIR protocol or definition
  "instantiatesUri" : ["<uri>"], // Instantiates external protocol or definition
  "basedOn" : [{ Reference(CarePlan|MedicationRequest|ServiceRequest|
ImmunizationRecommendation) }], // What request fulfills
  "groupIdentifier" : { Identifier }, // Composite request this is part of
  "courseOfTherapyType" : { CodeableConcept }, // Overall pattern of medication administration
  "insurance" : [{ Reference(Coverage|ClaimResponse) }], // Associated insurance coverage

```

```

"note" : [{ Annotation }], // Information about the prescription
"dosageInstruction" : [{ Dosage }], // How the medication should be taken
"dispenseRequest" : { // Medication supply authorization
  "initialFill" : { // First fill details
    "quantity" : { Quantity(SimpleQuantity) }, // First fill quantity
    "duration" : { Duration } // First fill duration
  },
  "dispenseInterval" : { Duration }, // Minimum period of time between dispenses
  "validityPeriod" : { Period }, // Time period supply is authorized for
  "numberOfRepeatsAllowed" : "<unsignedInt>", // Number of refills authorized
  "quantity" : { Quantity(SimpleQuantity) }, // Amount of medication to supply per dispense
  "expectedSupplyDuration" : { Duration }, // Number of days supply per dispense
  "performer" : { Reference(Organization) } // Intended dispenser
},
"substitution" : { // Any restrictions on medication substitution
  // allowed[x]: Whether substitution is allowed or not. One of these 2:
  "allowedBoolean" : <boolean>,
  "allowedCodeableConcept" : { CodeableConcept },
  "reason" : { CodeableConcept } // Why should (not) substitution be made
},
"priorPrescription" : { Reference(MedicationRequest) }, // An order/prescription that is being
replaced
"detectedIssue" : [{ Reference(DetectedIssue) }], // Clinical Issue with action
"eventHistory" : [{ Reference(Provenance) } ] // A list of events of interest in the lifecycle
}

```

CodeableConcept:

```

{
  // from Element: extension
  "coding" : [{ Coding }], // Code defined by a terminology system
  "text" : "<string>" // Plain text representation of the concept
}

```

Coding:

```

{
  // from Element: extension
  "system" : "<uri>", // Identity of the terminology system
  "version" : "<string>", // Version of the system - if relevant
  "code" : "<code>", // Symbol in syntax defined by the system
  "display" : "<string>", // Representation defined by the system
  "userSelected" : <boolean> // If this coding was chosen directly by the user
}

```

Reference:

```
{
  // from Element: extension
  "reference" : "<string>", // C? Literal reference, Relative, internal or absolute URL
  "type" : "<uri>", // Type the reference refers to (e.g. "Patient")
  "identifier" : { Identifier }, // Logical reference, when literal reference is not known
  "display" : "<string>" // Text alternative for the resource
}
```

Annotation:

```
{
  // from Element: extension
  // author[x]: Individual responsible for the annotation. One of these 2:
  "authorReference" : { Reference(Practitioner|Patient|RelatedPerson|Organization) },
  "authorString" : "<string>",
  "time" : "<dateTime>", // When the annotation was made
  "text" : "<markdown>" // R! The annotation - text content (as markdown)
}
```

Dosage:

```
{
  // from BackboneElement: extension, modifierExtension
  "sequence" : <integer>, // The order of the dosage instructions
  "text" : "<string>", // Free text dosage instructions e.g. SIG
  "additionalInstruction" : [{ CodeableConcept }], // Supplemental instruction or warnings to the
  // patient - e.g. "with meals", "may cause drowsiness"
  "patientInstruction" : "<string>", // Patient or consumer oriented instructions
  "timing" : { Timing }, // When medication should be administered
  // asNeeded[x]: Take "as needed" (for x). One of these 2:
  "asNeededBoolean" : <boolean>,
  "asNeededCodeableConcept" : { CodeableConcept },
  "site" : { CodeableConcept }, // Body site to administer to
  "route" : { CodeableConcept }, // How drug should enter body
  "method" : { CodeableConcept }, // Technique for administering medication
  "doseAndRate" : [{ // Amount of medication administered
    "type" : { CodeableConcept }, // The kind of dose or rate specified
    // dose[x]: Amount of medication per dose. One of these 2:
    "doseRange" : { Range },
    "doseQuantity" : { Quantity(SimpleQuantity) },
    // rate[x]: Amount of medication per unit of time. One of these 3:
    "rateRatio" : { Ratio },
    "rateRange" : { Range },
    "rateQuantity" : { Quantity(SimpleQuantity) }
  }]
}
```

```

    }},
    "maxDosePerPeriod" : { Ratio }, // Upper limit on medication per unit of time
    "maxDosePerAdministration" : { Quantity(SimpleQuantity) }, // Upper limit on medication per
administration
    "maxDosePerLifetime" : { Quantity(SimpleQuantity) } // Upper limit on medication per lifetime of
the patient
}

```

Quantity:

```

{
    // from Element: extension
    "value" : <decimal>, // Numerical value (with implicit precision)
    "comparator" : "<code>", // < | <= | >= | > - how to understand the value
    "unit" : "<string>", // Unit representation
    "system" : "<uri>", // C? System that defines coded unit form
    "code" : "<code>" // Coded form of the unit
}

```

Duration

```

{
    // from Element: extension
    "value" : <decimal>, // Numerical value (with implicit precision)
    "currency" : "<code>" // ISO 4217 Currency Code
}

```

Period:

```

{
    // from Element: extension
    "start" : "<dateTime>", // C? Starting time with inclusive boundary
    "end" : "<dateTime>" // C? End time with inclusive boundary, if not ongoing
}

```

EXAMPLES:

```

{
    "resourceType": "MedicationRequest",
    "id": "medrx0301",
    "text": {
        "status": "generated",
        "div": "\u003cdiv
xmlns\u003d'http://www.w3.org/1999/xhtml'\u003e\u003cp\u003e\u003cb\u003eGenerated
Narrative with
Details\u003c/b\u003e\u003cp\u003e\u003cp\u003e\u003cb\u003eid\u003c/b\u003e:
medrx0301\u003c/p\u003e\u003cp\u003e\u003eb\u003econtained\u003c/b\u003e: ,

```

[illegible]


```

    "role": [
      {
        "coding": [
          {
            "system": "http://terminology.hl7.org/CodeSystem/v3-ParticipationType",
            "code": "AUT"
          }
        ]
      }
    ],
    "who": {
      "reference": "Practitioner/example",
      "display": "Dr Adam Careful"
    }
  },
  "signature": [
    {
      "type": [
        {
          "system": "urn:iso-astm:E1762-95:2013",
          "code": "1.2.840.10065.1.12.1.1",
          "display": "Author\u0027s Signature"
        }
      ],
      "when": "2017-02-01T17:23:07Z",
      "who": {
        "reference": "Practitioner/example",
        "display": "Dr Adam Careful"
      },
      "targetFormat": "application/fhir+xml",
      "sigFormat": "application/signature+xml",
      "data": "dGhpcyBibG9iIGlzIHNuaXBwZWQ\u003d"
    }
  ],
  "identifier": [
    {
      "use": "official",
      "system": "http://www.bmc.nl/portal/prescriptions",
      "value": "12345689"
    }
  ],

```

```
"status": "completed",
"statusReason": {
  "coding": [
    {
      "system": "http://terminology.hl7.org/CodeSystem/medicationrequest-status-reason",
      "code": "altchoice",
      "display": "Try another treatment first"
    }
  ]
},
"intent": "order",
"category": [
  {
    "coding": [
      {
        "system": "http://terminology.hl7.org/CodeSystem/medicationrequest-category",
        "code": "inpatient",
        "display": "Inpatient"
      }
    ]
  }
],
"medicationReference": {
  "reference": "#med0310"
},
"subject": {
  "reference": "Patient/pat1",
  "display": "Donald Duck"
},
"encounter": {
  "reference": "Encounter/f201",
  "display": "encounter who leads to this prescription"
},
"supportingInformation": [
  {
    "reference": "Procedure/biopsy"
  }
],
"authoredOn": "2015-01-15",
"requester": {
  "reference": "Practitioner/f007",
  "display": "Patrick Pump"
},
"performer": {
```



```
"reference": "Practitioner/f204",
"display": "Carla Espinosa"
},
"performerType": {
  "coding": [
    {
      "system": "http://snomed.info/sct",
      "code": "26369006",
      "display": "Public Health Nurse"
    }
  ]
},
"reasonCode": [
  {
    "coding": [
      {
        "system": "http://snomed.info/sct",
        "code": "297217002",
        "display": "Rib Pain (finding)"
      }
    ]
  }
],
"insurance": [
  {
    "reference": "Coverage/9876B1"
  }
],
"note": [
  {
    "text": "Patient told to take with food"
  }
],
"dosageInstruction": [
  {
    "sequence": 1,
    "text": "one to two tablets every 4-6 hours as needed for rib pain",
    "additionalInstruction": [
      {
        "coding": [
          {
            "system": "http://snomed.info/sct",
            "code": "418914006",
```

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        "display": "Warning. May cause drowsiness. If affected do not drive or operate
machinery. Avoid alcoholic drink (qualifier value)"
    }
  ]
}
],
"patientInstruction": "Take one to two tablets every four to six hours as needed for rib pain",
"timing": {
  "repeat": {
    "frequency": 1,
    "period": 4,
    "periodMax": 6,
    "periodUnit": "h"
  }
},
"asNeededCodeableConcept": {
  "coding": [
    {
      "system": "http://snomed.info/sct",
      "code": "297217002",
      "display": "Rib Pain (finding)"
    }
  ]
},
"route": {
  "coding": [
    {
      "system": "http://snomed.info/sct",
      "code": "26643006",
      "display": "Oral Route"
    }
  ]
},
"method": {
  "coding": [
    {
      "system": "http://snomed.info/sct",
      "code": "421521009",
      "display": "Swallow - dosing instruction imperative (qualifier value)"
    }
  ]
},
"doseAndRate": [
  {

```

```
"type": {
  "coding": [
    {
      "system": "http://terminology.hl7.org/CodeSystem/dose-rate-type",
      "code": "ordered",
      "display": "Ordered"
    }
  ]
},
"doseRange": {
  "low": {
    "value": 1,
    "unit": "TAB",
    "system": "http://terminology.hl7.org/CodeSystem/v3-orderableDrugForm",
    "code": "TAB"
  },
  "high": {
    "value": 2,
    "unit": "TAB",
    "system": "http://terminology.hl7.org/CodeSystem/v3-orderableDrugForm",
    "code": "TAB"
  }
}
]
},
],
"dispenseRequest": {
  "validityPeriod": {
    "start": "2015-01-15",
    "end": "2016-01-15"
  },
  "numberOfRepeatsAllowed": 0,
  "quantity": {
    "value": 30,
    "unit": "TAB",
    "system": "http://terminology.hl7.org/CodeSystem/v3-orderableDrugForm",
    "code": "TAB"
  },
  "expectedSupplyDuration": {
    "value": 10,
    "unit": "days",
    "system": "http://unitsofmeasure.org",
    "code": "d"
  }
}
```

```

    },
    "performer": {
      "reference": "Practitioner/f001"
    }
  },
  "substitution": {
    "allowedBoolean": true,
    "reason": {
      "coding": [
        {
          "system": "http://terminology.hl7.org/CodeSystem/v3-ActReason",
          "code": "FP",
          "display": "formulary policy"
        }
      ]
    }
  },
  "detectedIssue": [
    {
      "reference": "DetectedIssue/allergy"
    }
  ],
  "eventHistory": [
    {
      "reference": "#signature",
      "display": "Author\u0027s Signature"
    }
  ],
  "meta": {
    "tag": [
      {
        "system": "http://terminology.hl7.org/CodeSystem/v3-ActReason",
        "code": "HTEST",
        "display": "test health data"
      }
    ]
  }
}

```

```

{
  "resourceType": "MedicationRequest",
  "id": "medrx0302",
  "text": {

```

"status": "generated",

"div": "\u003cdiv

xmlns\u003d\"http://www.w3.org/1999/xhtml\" \u003e\u003cp\u003e\u003cb\u003eGenerated Narrative with

Details\u003c/b\u003e\u003cp\u003e\u003cp\u003e\u003cb\u003eid\u003c/b\u003e:

medrx0302\u003c/p\u003e\u003cp\u003e\u003cb\u003econtained\u003c/b\u003e:

\u003c/p\u003e\u003cp\u003e\u003cb\u003eidentifier\u003c/b\u003e: 12345689

(OFFICIAL)\u003c/p\u003e\u003cp\u003e\u003cb\u003estatus\u003c/b\u003e:

active\u003c/p\u003e\u003cp\u003e\u003cb\u003eintent\u003c/b\u003e:

order\u003c/p\u003e\u003cp\u003e\u003cb\u003emedication\u003c/b\u003e: id: med0320;

Azithromycin 250mg capsule (product) \u003cspan\u003e(Details : {SNOMED CT code

\u0027324252006\u0027 \u003d \u0027Azithromycin 250mg capsule\u0027, given as

\u0027Azithromycin 250mg capsule

(product)\u0027)\u003c/span\u003e\u003cp\u003e\u003cb\u003esubject\u003c

/b\u003e: \u003ca\u003eDonald

Duck\u003c/a\u003e\u003cp\u003e\u003cb\u003eencounter\u003c/b\u003e:

\u003ca\u003eencounter who leads to this

prescription\u003c/a\u003e\u003cp\u003e\u003cb\u003esupportingInformation\

\u003c/b\u003e:

\u003ca\u003eCoverage/SP1234\u003c/a\u003e\u003cp\u003e\u003cb\u003ea

uthoredOn\u003c/b\u003e:

15/01/2015\u003c/p\u003e\u003cb\u003erequester\u003c/b\u003e:

\u003ca\u003ePatrick

Pump\u003c/a\u003e\u003cp\u003e\u003cb\u003ereasonCode\u003c/b\u003e:

Traveller\u0027s Diarrhea (disorder) \u003cspan\u003e(Details : {SNOMED CT code

\u002711840006\u0027 \u003d \u0027Traveler\u0027s diarrhea\u0027, given as

\u0027Traveller\u0027s Diarrhea

(disorder)\u0027)\u003c/span\u003e\u003cp\u003e\u003cb\u003enote\u003c/b

\u003e: Patient told to take with

food\u003c/p\u003e\u003cp\u003e\u003cb\u003edosageInstruction\u003c/b\u003e: ,

\u003c/p\u003e\u003ch3\u003eDispenseRequests\u003c/h3\u003e\u003ctable\u003e\u003ctr\

\u003e\u003ctd\u003e-\u003c/td\u003e\u003cb\u003eValidityPeriod\u003c/b\u003e

\u003c/td\u003e\u003cb\u003eNumberOfRepeatsAllowed\u003c/b\u003e\u003e

\u003c/td\u003e\u003cb\u003eQuantity\u003c/b\u003e\u003c/td\u003e\u003e

\u003c/td\u003e\u003cb\u003eExpectedSupplyDuration\u003c/b\u003e\u003c/td\u003e\u003c/tr\u003e\u003e

\u003c/td\u003e*\u003c/td\u003e\u003e15/01/2015 --\u0026gt;

15/01/2016\u003c/td\u003e\u003e1\u003c/td\u003e\u003e

TAB\u003cspan\u003e (Details: <http://terminology.hl7.org/CodeSystem/v3-orderableDrugForm>

code TAB \u003d \u0027Tablet\u0027)\u003c/td\u003e\u003e5

days\u003cspan\u003e (Details: UCUM code d \u003d

\u0027d\u0027)\u003c/td\u003e\u003c/tr\u003e\u003c/table\u003e\u003ch3\

\u003eSubstitutions\u003c/h3\u003e\u003ctable\u003e\u003ctr\

\u003e\u003ctd\u003e-\u003c/td\u003e\u003cb\u003eAllowed[x]\u003c/b\u003e\u003c/td\u003e\u003e

\u003c/td\u003e\u003cb\u003eReason\u003c/b\u003e\u003c/td\u003e\u003c/tr\u003e\u003e

003e*\u003c/td\u003e\u003ctd\u003etrue\u003c/td\u003e\u003ctd\u003eformulary policy
\u003cspan\u003e(Details : {<http://terminology.hl7.org/CodeSystem/v3-ActReason> code
\u0027FP\u0027 \u003d \u0027formulary policy\u0027, given as \u0027formulary
policy\u0027})\u003c/span\u003e\u003c/td\u003e\u003c/tr\u003e\u003c/table\u003e\u003c/div\u003e
u003e"

```
},
"contained": [
  {
    "resourceType": "Medication",
    "id": "med0320",
    "code": {
      "coding": [
        {
          "system": "http://snomed.info/sct",
          "code": "324252006",
          "display": "Azithromycin 250mg capsule (product)"
        }
      ]
    }
  }
],
"identifier": [
  {
    "use": "official",
    "system": "http://www.bmc.nl/portal/prescriptions",
    "value": "12345689"
  }
],
"status": "active",
"intent": "order",
"medicationReference": {
  "reference": "#med0320"
},
"subject": {
  "reference": "Patient/pat1",
  "display": "Donald Duck"
},
"encounter": {
  "reference": "Encounter/f001",
  "display": "encounter who leads to this prescription"
},
"supportingInformation": [
  {
    "reference": "Coverage/SP1234"
```

```
}
],
"authoredOn": "2015-01-15",
"requester": {
  "reference": "Practitioner/f007",
  "display": "Patrick Pump"
},
"reasonCode": [
  {
    "coding": [
      {
        "system": "http://snomed.info/sct",
        "code": "11840006",
        "display": "Traveller\u0027s Diarrhea (disorder)"
      }
    ]
  }
],
"note": [
  {
    "text": "Patient told to take with food"
  }
],
"dosageInstruction": [
  {
    "sequence": 1,
    "text": "Two tablets at once",
    "additionalInstruction": [
      {
        "coding": [
          {
            "system": "http://snomed.info/sct",
            "code": "311504000",
            "display": "With or after food"
          }
        ]
      }
    ]
  }
],
"timing": {
  "repeat": {
    "frequency": 1,
    "period": 1,
    "periodUnit": "d"
  }
}
```

```
,
"route": {
  "coding": [
    {
      "system": "http://snomed.info/sct",
      "code": "26643006",
      "display": "Oral Route"
    }
  ]
},
"method": {
  "coding": [
    {
      "system": "http://snomed.info/sct",
      "code": "421521009",
      "display": "Swallow - dosing instruction imperative (qualifier value)"
    }
  ]
},
"doseAndRate": [
  {
    "type": {
      "coding": [
        {
          "system": "http://terminology.hl7.org/CodeSystem/dose-rate-type",
          "code": "ordered",
          "display": "Ordered"
        }
      ]
    },
    "doseQuantity": {
      "value": 2,
      "unit": "TAB",
      "system": "http://terminology.hl7.org/CodeSystem/v3-orderableDrugForm",
      "code": "TAB"
    }
  }
],
{
  "sequence": 2,
  "text": "One tablet daily for 4 days",
  "additionalInstruction": [
    {
```



```
"coding": [
  {
    "system": "http://snomed.info/sct",
    "code": "311504000",
    "display": "With or after food"
  }
],
"timing": {
  "repeat": {
    "frequency": 4,
    "period": 1,
    "periodUnit": "d"
  }
},
"route": {
  "coding": [
    {
      "system": "http://snomed.info/sct",
      "code": "26643006",
      "display": "Oral Route"
    }
  ]
},
"doseAndRate": [
  {
    "type": {
      "coding": [
        {
          "system": "http://terminology.hl7.org/CodeSystem/dose-rate-type",
          "code": "ordered",
          "display": "Ordered"
        }
      ]
    }
  ]
},
"doseQuantity": {
  "value": 1,
  "unit": "TAB",
  "system": "http://terminology.hl7.org/CodeSystem/v3-orderableDrugForm",
  "code": "TAB"
}
]
```

```

    }
  ],
  "dispenseRequest": {
    "validityPeriod": {
      "start": "2015-01-15",
      "end": "2016-01-15"
    },
    "numberOfRepeatsAllowed": 1,
    "quantity": {
      "value": 6,
      "unit": "TAB",
      "system": "http://terminology.hl7.org/CodeSystem/v3-orderableDrugForm",
      "code": "TAB"
    },
    "expectedSupplyDuration": {
      "value": 5,
      "unit": "days",
      "system": "http://unitsofmeasure.org",
      "code": "d"
    }
  },
  "substitution": {
    "allowedBoolean": true,
    "reason": {
      "coding": [
        {
          "system": "http://terminology.hl7.org/CodeSystem/v3-ActReason",
          "code": "FP",
          "display": "formulary policy"
        }
      ]
    }
  },
  "meta": {
    "tag": [
      {
        "system": "http://terminology.hl7.org/CodeSystem/v3-ActReason",
        "code": "HTEST",
        "display": "test health data"
      }
    ]
  }
}

```

```

{
  "resourceType": "MedicationRequest",
  "id": "medrx0303",
  "text": {
    "status": "generated",
    "div": "\u003cdiv
xmlns\u003d'http://www.w3.org/1999/xhtml'\u003e\u003cp\u003e\u003cb\u003eGenerated
Narrative with
Details\u003c/b\u003e\u003cp\u003e\u003cp\u003e\u003cb\u003eid\u003c/b\u003e:
medrx0303\u003c/p\u003e\u003cp\u003e\u003cb\u003econtained\u003c/b\u003e:
\u003cp\u003e\u003cp\u003e\u003cb\u003eidentifier\u003c/b\u003e: 12345689
(OFFICIAL)\u003cp\u003e\u003cp\u003e\u003cb\u003estatus\u003c/b\u003e:
active\u003cp\u003e\u003cp\u003e\u003cb\u003eintent\u003c/b\u003e:
order\u003cp\u003e\u003cp\u003e\u003cb\u003emedication\u003c/b\u003e: id: med0311;
Prednisone 5mg tablet (Product) \u003cspan\u003e(Details : {SNOMED CT code
\u0027373994007\u0027 \u003d \u0027Prednisone 5mg tablet\u0027, given as
\u0027Prednisone 5mg tablet
(Product)\u0027})\u003c/span\u003e\u003cp\u003e\u003cp\u003e\u003cb\u003esubject\u003c
b\u003e: \u003ca\u003eDonald
Duck\u003c/a\u003e\u003cp\u003e\u003cp\u003e\u003cb\u003eencounter\u003c/b\u003e:
\u003ca\u003eencounter who leads to this
prescription\u003c/a\u003e\u003cp\u003e\u003cp\u003e\u003cb\u003eauthoredOn\u003c/b\u003e
003e: 15/01/2015\u003cp\u003e\u003cp\u003e\u003cb\u003erequester\u003c/b\u003e:
\u003ca\u003ePatrick
Pump\u003c/a\u003e\u003cp\u003e\u003cp\u003e\u003cb\u003ebasedOn\u003c/b\u003e:
\u003ca\u003eCarePlan/gpvisit\u003c/a\u003e\u003cp\u003e\u003cp\u003e\u003cb\u003egro
upIdentifier\u003c/b\u003e: 983939393
(OFFICIAL)\u003cp\u003e\u003cp\u003e\u003cb\u003enote\u003c/b\u003e: Patient told to
take with food\u003cp\u003e\u003cp\u003e\u003cb\u003edosageInstruction\u003c/b\u003e: , ,
\u003cp\u003e\u003ch3\u003eDispenseRequests\u003c/h3\u003e\u003ctable\u003e\u003ctr\
\u003e\u003ctd\u003e-\u003c/td\u003e\u003ctd\u003e\u003cb\u003eValidityPeriod\u003c/b\u003e
\u003c/td\u003e\u003ctd\u003e\u003cb\u003eNumberOfRepeatsAllowed\u003c/b\u003e\u003e\u003c
td\u003e\u003ctd\u003e\u003cb\u003eQuantity\u003c/b\u003e\u003c/td\u003e\u003ctd\u003e
\u003cb\u003eExpectedSupplyDuration\u003c/b\u003e\u003c/td\u003e\u003ctd\u003e\u003e
\u003cb\u003ePerformer\u003c/b\u003e\u003c/td\u003e\u003c/tr\u003e\u003ctr\u003e\u003ctd\u003e
3e*\u003c/td\u003e\u003ctd\u003e15/01/2015 --\u0026gt;
15/01/2016\u003c/td\u003e\u003ctd\u003e1\u003c/td\u003e\u003ctd\u003e51
TAB\u003cspan\u003e (Details: http://terminology.hl7.org/CodeSystem/v3-orderableDrugForm
code TAB \u003d \u0027Tablet\u0027)\u003c/span\u003e\u003c/td\u003e\u003ctd\u003e21
days\u003cspan\u003e (Details: UCUM code d \u003d
\u0027d\u0027)\u003c/span\u003e\u003c/td\u003e\u003ctd\u003e\u003ca\u003eOrganization/f
001\u003c/a\u003e\u003c/td\u003e\u003c/tr\u003e\u003c/table\u003e\u003ch3\u003eSubstituti
ons\u003c/h3\u003e\u003ctable\u003e\u003ctr\u003e\u003ctd\u003e-\u003c/td\u003e\u003ctd\

```

Reason
Therapeutic Brand
(Details :
{http://terminology.hl7.org/CodeSystem/v3-substanceAdminSubstitution code
therapeutic brand, given as Therapeutic
Brand})
formulary policy
(Details : {http://terminology.hl7.org/CodeSystem/v3-ActReason code
FP
formulary policy, given as formulary
policy})
table
div

```
},
"contained": [
  {
    "resourceType": "Medication",
    "id": "med0311",
    "code": {
      "coding": [
        {
          "system": "http://snomed.info/sct",
          "code": "373994007",
          "display": "Prednisone 5mg tablet (Product)"
        }
      ]
    }
  }
],
"identifier": [
  {
    "use": "official",
    "system": "http://www.bmc.nl/portal/prescriptions",
    "value": "12345689"
  }
],
"status": "active",
"intent": "order",
"medicationReference": {
  "reference": "#med0311"
},
"subject": {
  "reference": "Patient/pat1",
  "display": "Donald Duck"
},
"encounter": {
  "reference": "Encounter/f001",
```

```
"display": "encounter who leads to this prescription"
},
"authoredOn": "2015-01-15",
"requester": {
  "reference": "Practitioner/f007",
  "display": "Patrick Pump"
},
"basedOn": [
  {
    "reference": "CarePlan/gpvisit"
  }
],
"groupIdentifier": {
  "use": "official",
  "system": "http://www.bmc.nl/portal/prescriptions",
  "value": "983939393"
},
"note": [
  {
    "text": "Patient told to take with food"
  }
],
"dosageInstruction": [
  {
    "sequence": 1,
    "text": "Take 4 tablets daily for 7 days starting January 16, 2015",
    "timing": {
      "repeat": {
        "boundsPeriod": {
          "start": "2015-01-16",
          "end": "2015-01-20"
        },
        "frequency": 1,
        "period": 1,
        "periodUnit": "d"
      }
    }
  }
],
"route": {
  "coding": [
    {
      "system": "http://snomed.info/sct",
      "code": "26643006",
      "display": "Oral Route"
    }
  ]
}
```

```

    ]
  },
  "method": {
    "coding": [
      {
        "system": "http://snomed.info/sct",
        "code": "421521009",
        "display": "Swallow - dosing instruction imperative (qualifier value)"
      }
    ]
  },
  "doseAndRate": [
    {
      "type": {
        "coding": [
          {
            "system": "http://terminology.hl7.org/CodeSystem/dose-rate-type",
            "code": "ordered",
            "display": "Ordered"
          }
        ]
      },
      "doseQuantity": {
        "value": 4,
        "unit": "TAB",
        "system": "http://terminology.hl7.org/CodeSystem/v3-orderableDrugForm",
        "code": "TAB"
      }
    }
  ],
  "sequence": 2,
  "text": "Take 2 tablets daily for 7 days starting January 23, 2015",
  "timing": {
    "repeat": {
      "boundsPeriod": {
        "start": "2015-01-23",
        "end": "2015-01-30"
      },
      "frequency": 1,
      "period": 1,
      "periodUnit": "d"
    }
  }
}

```

```
,
"route": {
  "coding": [
    {
      "system": "http://snomed.info/sct",
      "code": "26643006",
      "display": "Oral Route"
    }
  ]
},
"method": {
  "coding": [
    {
      "system": "http://snomed.info/sct",
      "code": "421521009",
      "display": "Swallow - dosing instruction imperative (qualifier value)"
    }
  ]
},
"doseAndRate": [
  {
    "type": {
      "coding": [
        {
          "system": "http://terminology.hl7.org/CodeSystem/dose-rate-type",
          "code": "ordered",
          "display": "Ordered"
        }
      ]
    },
    "doseQuantity": {
      "value": 2,
      "unit": "TAB",
      "system": "http://terminology.hl7.org/CodeSystem/v3-orderableDrugForm",
      "code": "TAB"
    }
  }
],
{
  "sequence": 3,
  "text": "Take 1 tablets daily for 7 days starting January 31, 2015",
  "timing": {
    "repeat": {
```

```
"boundsPeriod": {
  "start": "2015-01-31",
  "end": "2015-02-06"
},
"frequency": 1,
"period": 1,
"periodUnit": "d"
}
},
"route": {
  "coding": [
    {
      "system": "http://snomed.info/sct",
      "code": "26643006",
      "display": "Oral Route"
    }
  ]
},
"method": {
  "coding": [
    {
      "system": "http://snomed.info/sct",
      "code": "421521009",
      "display": "Swallow - dosing instruction imperative (qualifier value)"
    }
  ]
},
"doseAndRate": [
  {
    "type": {
      "coding": [
        {
          "system": "http://terminology.hl7.org/CodeSystem/dose-rate-type",
          "code": "ordered",
          "display": "Ordered"
        }
      ]
    }
  ]
},
"doseQuantity": {
  "value": 1,
  "unit": "TAB",
  "system": "http://terminology.hl7.org/CodeSystem/v3-orderableDrugForm",
  "code": "TAB"
}
```



```

    }
  ]
}
],
"dispenseRequest": {
  "validityPeriod": {
    "start": "2015-01-15",
    "end": "2016-01-15"
  },
  "numberOfRepeatsAllowed": 1,
  "quantity": {
    "value": 51,
    "unit": "TAB",
    "system": "http://terminology.hl7.org/CodeSystem/v3-orderableDrugForm",
    "code": "TAB"
  },
  "expectedSupplyDuration": {
    "value": 21,
    "unit": "days",
    "system": "http://unitsofmeasure.org",
    "code": "d"
  },
  "performer": {
    "reference": "Organization/f001"
  }
},
"substitution": {
  "allowedCodeableConcept": {
    "coding": [
      {
        "system": "http://terminology.hl7.org/CodeSystem/v3-substanceAdminSubstitution",
        "code": "TB",
        "display": "Therapeutic Brand"
      }
    ]
  }
},
"reason": {
  "coding": [
    {
      "system": "http://terminology.hl7.org/CodeSystem/v3-ActReason",
      "code": "FP",
      "display": "formulary policy"
    }
  ]
}
]

```

```

    }
  },
  "meta": {
    "tag": [
      {
        "system": "http://terminology.hl7.org/CodeSystem/v3-ActReason",
        "code": "HTEST",
        "display": "test health data"
      }
    ]
  }
}

```

```

{
  "resourceType": "MedicationRequest",
  "id": "medrx0304",
  "text": {
    "status": "generated",
    "div": "\u003cdiv

```

xmlns\u003d"http://www.w3.org/1999/xhtml"\u003e\u003cp\u003e\u003cb\u003eGenerated Narrative with

Details\u003c/b\u003e\u003cp\u003e\u003cp\u003e\u003cb\u003eid\u003c/b\u003e:

medrx0304\u003c/p\u003e\u003cp\u003e\u003cb\u003econtained\u003c/b\u003e:

\u003cp\u003e\u003cp\u003e\u003cb\u003eidentifier\u003c/b\u003e: 12345689

(OFFICIAL)\u003cp\u003e\u003cp\u003e\u003cb\u003estatus\u003c/b\u003e:

completed\u003c/p\u003e\u003cp\u003e\u003cb\u003eintent\u003c/b\u003e:

order\u003c/p\u003e\u003cp\u003e\u003cb\u003emedication\u003c/b\u003e: Nystatin 100,000

u/ml oral suspension. Generated Summary: id: med0312; Nystatin 100,000 units/ml oral

suspension (product) \u003cspan\u003e(Details : {SNOMED CT code \u0027324689003\u0027

\u003d \u0027Nystatin 100,000units/mL oral suspension\u0027, given as \u0027Nystatin

100,000 units/ml oral suspension

(product)\u0027})\u003c/span\u003e\u003cp\u003e\u003cp\u003e\u003cb\u003esubject\u003c

/b\u003e: \u003ca\u003eDonald

Duck\u003c/a\u003e\u003cp\u003e\u003cp\u003e\u003cb\u003eauthoredOn\u003c/b\u003e:

15/01/2015\u003cp\u003e\u003cp\u003e\u003cb\u003erequester\u003c/b\u003e:

\u003ca\u003ePatrick

Pump\u003c/a\u003e\u003cp\u003e\u003cp\u003e\u003cb\u003edosageInstruction\u003c/b\u003e: 003e:

\u003cp\u003e\u003ch3\u003eDispenseRequests\u003c/h3\u003e\u003ctable\u003e\u003ctr\u003e

\u003e\u003ctd\u003e-\u003c/td\u003e\u003e\u003cb\u003eValidityPeriod\u003c/b\u003e\u003e

\u003c/td\u003e\u003e\u003cb\u003eNumberOfRepeatsAllowed\u003c/b\u003e\u003e

\u003c/td\u003e\u003e\u003cb\u003eQuantity\u003c/b\u003e\u003c/td\u003e\u003e\u003ctd\u003e

\u003cb\u003eExpectedSupplyDuration\u003c/b\u003e\u003c/td\u003e\u003c/tr\u003e\u003e

ctr\u003e\u003ctd\u003e*\u003c/td\u003e\u003e15/01/2015 --\u0026gt;

```

15/01/2016\u003c/td\u003e\u003ctd\u003e3\u003c/td\u003e\u003ctd\u003e10
ml\u003cspan\u003e (Details: UCUM code ml \u003d
\u0027ml\u0027)\u003c/span\u003e\u003c/td\u003e\u003ctd\u003e10 days\u003cspan\u003e
(Details: UCUM code d \u003d
\u0027d\u0027)\u003c/span\u003e\u003c/td\u003e\u003c/tr\u003e\u003c/table\u003e\u003c/di
v\u003e"
},
"contained": [
{
  "resourceType": "Medication",
  "id": "med0312",
  "code": {
    "coding": [
      {
        "system": "http://snomed.info/sct",
        "code": "324689003",
        "display": "Nystatin 100,000 units/ml oral suspension (product)"
      }
    ]
  }
}
],
"identifier": [
{
  "use": "official",
  "system": "http://www.bmc.nl/portal/prescriptions",
  "value": "12345689"
}
],
"status": "completed",
"intent": "order",
"medicationReference": {
  "reference": "#med0312",
  "display": "Nystatin 100,000 u/ml oral suspension"
},
"subject": {
  "reference": "Patient/pat1",
  "display": "Donald Duck"
},
"authoredOn": "2015-01-15",
"requester": {
  "reference": "Practitioner/f007",
  "display": "Patrick Pump"
},

```

```
"dosageInstruction": [
  {
    "sequence": 1,
    "text": "10 drops four times daily - apply in mouth using cotton swab or finger",
    "timing": {
      "repeat": {
        "frequency": 4,
        "period": 1,
        "periodUnit": "d"
      }
    },
  },
  "doseAndRate": [
    {
      "type": {
        "coding": [
          {
            "system": "http://terminology.hl7.org/CodeSystem/dose-rate-type",
            "code": "ordered",
            "display": "Ordered"
          }
        ]
      },
    },
    "doseQuantity": {
      "value": 10,
      "unit": "drop",
      "system": "http://unitsofmeasure.org",
      "code": "drop"
    }
  ]
},
],
"dispenseRequest": {
  "validityPeriod": {
    "start": "2015-01-15",
    "end": "2016-01-15"
  },
  "numberOfRepeatsAllowed": 3,
  "quantity": {
    "value": 10,
    "unit": "ml",
    "system": "http://unitsofmeasure.org",
    "code": "ml"
  },
},
```

```

    "expectedSupplyDuration": {
      "value": 10,
      "unit": "days",
      "system": "http://unitsofmeasure.org",
      "code": "d"
    }
  },
  "meta": {
    "tag": [
      {
        "system": "http://terminology.hl7.org/CodeSystem/v3-ActReason",
        "code": "HTEST",
        "display": "test health data"
      }
    ]
  }
}

```

```

{
  "resourceType": "MedicationRequest",
  "id": "medrx0305",
  "text": {
    "status": "generated",
    "div": "\u003cdiv
xmlns\u003d\"http://www.w3.org/1999/xhtml\" \u003e\u003cp\u003e\u003cb\u003eGenerated
Narrative with
Details\u003c/b\u003e\u003cp\u003e\u003cp\u003e\u003cb\u003eid\u003c/b\u003e:
medrx0305\u003c/p\u003e\u003cp\u003e\u003cb\u003econtained\u003c/b\u003e:
\u003cp\u003e\u003cp\u003e\u003cb\u003eidentifier\u003c/b\u003e: 12345689
(OFFICIAL)\u003cp\u003e\u003cp\u003e\u003cb\u003estatus\u003c/b\u003e:
completed\u003cp\u003e\u003cp\u003e\u003cb\u003eintent\u003c/b\u003e:
order\u003cp\u003e\u003cp\u003e\u003cb\u003emedication\u003c/b\u003e: id: med0314;
Alprazolam 0.25mg Oral Tablet \u003cspan\u003e(Details : {RxNorm code
\u0027308047\u0027 \u003d \u0027ALPRAZolam 0.25 MG Oral Tablet\u0027, given as
\u0027Alprazolam 0.25mg Oral
Tablet\u0027})\u003c/span\u003e\u003cp\u003e\u003cp\u003e\u003cb\u003esubject\u003c/b\u003e:
\u003ca\u003eDonald
Duck\u003c/a\u003e\u003cp\u003e\u003cp\u003e\u003cb\u003eencounter\u003c/b\u003e:
\u003ca\u003eencounter who leads to this
prescription\u003c/a\u003e\u003cp\u003e\u003cp\u003e\u003cb\u003eauthoredOn\u003c/b\u003e:
003e: 15/01/2015\u003cp\u003e\u003cp\u003e\u003cb\u003erequester\u003c/b\u003e:
\u003ca\u003ePatrick
Pump\u003c/a\u003e\u003cp\u003e\u003cp\u003e\u003cb\u003edosageInstruction\u003c/b\u003e

```

\u003c/plu003e\u003ch3\u003eDispenseRequests\u003c/h3\u003e\u003ctable\u003e\u003ctr\u003e
 u003e\u003ctd\u003e-\u003c/td\u003e\u003ctd\u003e\u003cb\u003eValidityPeriod\u003c/b\u003e
 3e\u003c/td\u003e\u003ctd\u003e\u003cb\u003eNumberOfRepeatsAllowed\u003c/b\u003e\u003e\u003c/td\u003e
 \u003c/td\u003e\u003ctd\u003e\u003cb\u003eQuantity\u003c/b\u003e\u003c/td\u003e\u003ctd\u003e
 3e\u003cb\u003eExpectedSupplyDuration\u003c/b\u003e\u003c/td\u003e\u003c/tr\u003e\u003e\u003c/tr\u003e
 \u003c/td\u003e\u003e*\u003c/td\u003e\u003ctd\u003e15/01/2015 --\u0026gt;
 15/01/2016\u003c/td\u003e\u003ctd\u003e1\u003c/td\u003e\u003ctd\u003e30
 TAB\u003cspan\u003e (Details: <http://terminology.hl7.org/CodeSystem/v3-orderableDrugForm>
 code TAB \u003d \u0027Tablet\u0027)\u003c/span\u003e\u003c/td\u003e\u003ctd\u003e10
 days\u003cspan\u003e (Details: UCUM code d \u003d
 \u0027d\u0027)\u003c/span\u003e\u003c/td\u003e\u003c/tr\u003e\u003c/table\u003e\u003ch3\u003e
 u003eSubstitutions\u003c/h3\u003e\u003ctable\u003e\u003ctr\u003e\u003ctd\u003e-\u003c/td\u003e
 u003e\u003ctd\u003e\u003cb\u003eAllowed[x]\u003c/b\u003e\u003c/td\u003e\u003ctd\u003e
 u003cb\u003eReason\u003c/b\u003e\u003c/td\u003e\u003c/tr\u003e\u003c/tr\u003e\u003c/td\u003e
 \u003e*\u003c/td\u003e\u003ctd\u003e\u003ctrue\u003c/td\u003e\u003ctd\u003eformulary policy
 \u003cspan\u003e (Details : {<http://terminology.hl7.org/CodeSystem/v3-ActReason> code
 \u0027FP\u0027 \u003d \u0027formulary policy\u0027, given as \u0027formulary
 policy\u0027})\u003c/span\u003e\u003c/td\u003e\u003c/tr\u003e\u003c/table\u003e\u003c/div\u003e
 u003e"

```
"contained": [
```

```
{
  "resourceType": "Medication",
  "id": "med0314",
  "code": {
    "coding": [
      {
        "system": "http://www.nlm.nih.gov/research/umls/rxnorm",
        "code": "308047",
        "display": "Alprazolam 0.25mg Oral Tablet"
      }
    ]
  }
}
```

1

}

}

```
"identifier": [
```

{

```
"use": "official",
"system": "http://www.bmc.nl/portal/prescriptions",
"value": "12345689"
```

```
"status": "completed",
```

```
"intent": "order",
"medicationReference": {
  "reference": "#med0314"
},
"subject": {
  "reference": "Patient/pat1",
  "display": "Donald Duck"
},
"encounter": {
  "reference": "Encounter/f001",
  "display": "encounter who leads to this prescription"
},
"authoredOn": "2015-01-15",
"requester": {
  "reference": "Practitioner/f007",
  "display": "Patrick Pump"
},
"dosageInstruction": [
  {
    "sequence": 1,
    "text": "0.25mg PO every 6-12 hours as needed for menses from Jan 15-20, 2015. Do not
exceed more than 4mg per day",
    "additionalInstruction": [
      {
        "coding": [
          {
            "system": "http://snomed.info/sct",
            "code": "418914006",
            "display": "Warning. May cause drowsiness. If affected do not drive or operate
machinery. Avoid alcoholic drink (qualifier value)"
          }
        ]
      }
    ]
  }
],
"timing": {
  "repeat": {
    "boundsPeriod": {
      "start": "2015-01-15",
      "end": "2015-01-20"
    },
    "frequency": 1,
    "period": 6,
    "periodMax": 12,
    "periodUnit": "h"
  }
}
```

```

    }
  },
  "asNeededCodeableConcept": {
    "coding": [
      {
        "system": "http://snomed.info/sct",
        "code": "266599000",
        "display": "Dysmenorrhea (disorder)"
      }
    ]
  },
  "route": {
    "coding": [
      {
        "system": "http://snomed.info/sct",
        "code": "26643006",
        "display": "Oral Route"
      }
    ]
  },
  "doseAndRate": [
    {
      "type": {
        "coding": [
          {
            "system": "http://terminology.hl7.org/CodeSystem/dose-rate-type",
            "code": "ordered",
            "display": "Ordered"
          }
        ]
      },
      "doseQuantity": {
        "value": 1,
        "unit": "TAB",
        "system": "http://terminology.hl7.org/CodeSystem/v3-orderableDrugForm",
        "code": "TAB"
      }
    }
  ],
  "maxDosePerAdministration": {
    "value": 4,
    "unit": "mg",
    "system": "http://unitsofmeasure.org",
    "code": "mg"
  }
}

```



```

    }
  }
],
"dispenseRequest": {
  "validityPeriod": {
    "start": "2015-01-15",
    "end": "2016-01-15"
  },
  "numberOfRepeatsAllowed": 1,
  "quantity": {
    "value": 30,
    "unit": "TAB",
    "system": "http://terminology.hl7.org/CodeSystem/v3-orderableDrugForm",
    "code": "TAB"
  },
  "expectedSupplyDuration": {
    "value": 10,
    "unit": "days",
    "system": "http://unitsofmeasure.org",
    "code": "d"
  }
},
"substitution": {
  "allowedBoolean": true,
  "reason": {
    "coding": [
      {
        "system": "http://terminology.hl7.org/CodeSystem/v3-ActReason",
        "code": "FP",
        "display": "formulary policy"
      }
    ]
  }
},
"meta": {
  "tag": [
    {
      "system": "http://terminology.hl7.org/CodeSystem/v3-ActReason",
      "code": "HTEST",
      "display": "test health data"
    }
  ]
}
}

```

