

```

"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.

Modifier 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.",

```

```

    "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"
]
},
```


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\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\u003estatusReason\u003c/b\u003e: Try
another treatment first \u003cspan\u003e(Details :
{http://terminology.hl7.org/CodeSystem/medicationrequest-status-reason code
\u0027altchoice\u0027 \u003d \u0027Try another treatment first\u0027, given as \u0027Try
another treatment
first\u0027})\u003c/span\u003e\u003cp\u003e\u003cp\u003e\u003cb\u003eintent\u003c/b\u003e:
order\u003cp\u003e\u003cp\u003e\u003cb\u003ecategory\u003c/b\u003e: Inpatient
\u003cspan\u003e(Details : {http://terminology.hl7.org/CodeSystem/medicationrequest-category
code \u0027inpatient\u0027 \u003d \u0027Inpatient\u0027, given as
\u0027Inpatient\u0027})\u003c/span\u003e\u003cp\u003e\u003cp\u003e\u003cb\u003emedica
tion\u003c/b\u003e: id: med0310; Oral Form Oxycodone (product) \u003cspan\u003e(Details :
{SNOMED CT code \u0027430127000\u0027 \u003d \u0027Oral form oxycodone\u0027, given
as \u0027Oral Form Oxycodone
(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\u003esupportingInformation\
u003c/b\u003e:
\u003ca\u003eProcedure/biopsy\u003c/a\u003e\u003cp\u003e\u003cp\u003e\u003cb\u003eau
thoredOn\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\u003eperformer\u003c/b\u003e:
\u003ca\u003eCarla
Espinosa\u003c/a\u003e\u003cp\u003e\u003cp\u003e\u003cb\u003eperformerType\u003c/b\u003e:
Public Health Nurse \u003cspan\u003e(Details : {SNOMED CT code
\u002726369006\u0027 \u003d \u0027Public health nurse\u0027, given as \u0027Public Health
Nurse\u0027})\u003c/span\u003e\u003cp\u003e\u003cp\u003e\u003cb\u003ereasonCode\u003c
/b\u003e: Rib Pain (finding) \u003cspan\u003e(Details : {SNOMED CT code
```

\u0027297217002\u0027 \u003d \u0027Rib pain\u0027, given as \u0027Rib Pain
 (finding)\u0027}}\u003c/span\u003e\u003c/p\u003e\u003cp\u003e\u003cb\u003einsurance\u00
 3c/b\u003e:
 \u003ca\u003eCoverage/9876B1\u003c/a\u003e\u003c/p\u003e\u003cp\u003e\u003cb\u003e
 ote\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
 \u003e\u003ctd\u003e-\u003c/td\u003e\u003ctd\u003e\u003cb\u003eValidityPeriod\u003c/b\u003e\u003c
 3e\u003c/td\u003e\u003ctd\u003e\u003cb\u003eNumberOfRepeatsAllowed\u003c/b\u003e\u003e\u003c
 3c/td\u003e\u003ctd\u003e\u003cb\u003eQuantity\u003c/b\u003e\u003c/td\u003e\u003ctd\u003e\u003c
 3e\u003cb\u003eExpectedSupplyDuration\u003c/b\u003e\u003c/td\u003e\u003ctd\u003e\u003cb\u003e
 \u003ePerformer\u003c/b\u003e\u003c/td\u003e\u003c/tr\u003e\u003ctr\u003e\u003e\u003ctd\u003e
 3e*\u003c/td\u003e\u003ctd\u003e15/01/2015 --\u0026gt;
 15/01/2016\u003c/td\u003e\u003ctd\u003e0\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\u003ctd\u003e\u003ca\u003ePractitioner/f0
 01\u003c/a\u003e\u003c/td\u003e\u003c/tr\u003e\u003c/table\u003e\u003ch3\u003eSubstitutio
 ns\u003c/h3\u003e\u003ctable\u003e\u003ctr\u003e\u003e\u003ctd\u003e-\u003c/td\u003e\u003ctd\u003e\u003cb\u003e
 \u003eAllowed[x]\u003c/b\u003e\u003c/td\u003e\u003ctd\u003e\u003cb\u003eRe
 ason\u003c/b\u003e\u003c/td\u003e\u003c/tr\u003e\u003ctr\u003e\u003e*\u003c/td\u003e
 \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\u003cp\u003e\u003cb\u003e
 \u003e\u003cdetectedIssue\u003c/b\u003e:
 \u003ca\u003eDetectedIssue/allergy\u003c/a\u003e\u003c/p\u003e\u003cp\u003e\u003cb\u003e00
 3eeventHistory\u003c/b\u003e: Author\u0027s Signature. Generated Summary: id: signature;
 recorded: 01/02/2017 5:23:07 PM; \u003c/p\u003e\u003c/div\u003e"
 },
 "contained": [
 {
 "resourceType": "Medication",
 "id": "med0310",
 "code": {
 "coding": [
 {
 "system": "http://snomed.info/sct",
 "code": "430127000",
 "display": "Oral Form Oxycodone (product)"
 }
]
 }
]
 }

```

},
{
  "resourceType": "Provenance",
  "id": "signature",
  "target": [
    {
      "reference": "ServiceRequest/physiotherapy"
    }
  ],
  "recorded": "2017-02-01T17:23:07Z",
  "agent": [
    {
      "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": "dGhpcyBibG9ilGlzIHNuaXBwZWQ\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",
            "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\u003e\u003cb\u003econtained\u003c/b\u003e:
\u003c/p\u003e\u003cp\u003e\u003cp\u003e\u003cb\u003eidentifier\u003c/b\u003e: 12345689
(OFFICIAL)\u003c/p\u003e\u003cp\u003e\u003cp\u003e\u003cb\u003estatus\u003c/b\u003e:
active\u003c/p\u003e\u003cp\u003e\u003cp\u003e\u003cb\u003eintent\u003c/b\u003e:
order\u003c/p\u003e\u003cp\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\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\u003esupportingInformation\
u003c/b\u003e:
\u003ca\u003eCoverage/SP1234\u003c/a\u003e\u003cp\u003e\u003cp\u003e\u003cb\u003ea
uthoredOn\u003c/b\u003e:
15/01/2015\u003c/p\u003e\u003cp\u003e\u003cp\u003e\u003cb\u003erequester\u003c/b\u003e:
\u003ca\u003ePatrick
Pump\u003c/a\u003e\u003cp\u003e\u003cp\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\u003cp\u003e\u003cb\u003enote\u003c/b
\u003e: Patient told to take with
food\u003c/p\u003e\u003cp\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\u003ctd\u003e\u003cb\u003eValidityPeriod\u003c/b\u00
3e\u003c/td\u003e\u003ctd\u003e\u003cb\u003eNumberOfRepeatsAllowed\u003c/b\u003e\u00

```

```

3c/td\u003e\u003c/b\u003eQuantity\u003c/b\u003e\u003c/td\u003e\u003c/td\u003e\u003c/td\u003e\u003c/td\u003eExpectedSupplyDuration\u003c/b\u003e\u003e\u003c/td\u003e\u003c/tr\u003e\u003e\u003c/td\u003e\u003c/td\u003e*\u003c/td\u003e\u003c/td\u003e15/01/2015 --\u0026gt;
15/01/2016\u003c/td\u003e\u003c/td\u003e1\u003c/td\u003e\u003c/td\u003e\u003c/td\u003e6
TAB\u003cspan\u003e (Details: http://terminology.hl7.org/CodeSystem/v3-orderableDrugForm
code TAB \u003d \u0027Tablet\u0027)\u003c/span\u003e\u003c/td\u003e\u003c/td\u003e5
days\u003cspan\u003e (Details: UCUM code d \u003d
\u0027d\u0027)\u003c/span\u003e\u003c/td\u003e\u003c/td\u003e\u003c/tr\u003e\u003e\u003c/table\u003e\u003ch3
\u003eSubstitutions\u003c/h3\u003e\u003c/table\u003e\u003ctr\u003e\u003c/td\u003e-\u003c/td
\u003e\u003c/td\u003e\u003cb\u003eAllowed[x]\u003c/b\u003e\u003c/td\u003e\u003c/td\u003e
\u003cb\u003eReason\u003c/b\u003e\u003c/td\u003e\u003c/td\u003e\u003ctr\u003e\u003c/td\u003e
\u003e*\u003c/td\u003e\u003c/td\u003etrue\u003c/td\u003e\u003c/td\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/td\u003e\u003c/tr\u003e\u003e\u003c/div
\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\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\u003eauthoredOn\u003c/b\u003e:
003e: 15/01/2015\u003cp\u003e\u003cb\u003erequester\u003c/b\u003e:
\u003ca\u003ePatrick
Pump\u003c/a\u003e\u003cp\u003e\u003cb\u003ebasedOn\u003c/b\u003e:
\u003ca\u003eCarePlan/gpvisit\u003c/a\u003e\u003cp\u003e\u003cb\u003egro
upIdentifier\u003c/b\u003e: 983939393
(OFFICIAL)\u003cp\u003e\u003cb\u003enote\u003c/b\u003e: Patient told to
take with food\u003cp\u003e\u003cb\u003edosageInstruction\u003c/b\u003e: , ,
\u003cp\u003e\u003ch3\u003eDispenseRequests\u003c/h3\u003e\u003ctable\u003e\u003ctr\
\u003e\u003ctd\u003e-\u003c/td\u003e\u003e\u003cb\u003eValidityPeriod\u003c/b\u003e
003e\u003c/td\u003e\u003e\u003cb\u003eNumberOfRepeatsAllowed\u003c/b\u003e\u003e

```

```

3c/td\u003e\u003ctd\u003e\u003cb\u003eQuantity\u003c/b\u003e\u003c/td\u003e\u003ctd\u00
3e\u003cb\u003eExpectedSupplyDuration\u003c/b\u003e\u003c/td\u003e\u003ctd\u003e\u003
cb\u003ePerformer\u003c/b\u003e\u003c/td\u003e\u003c/tr\u003e\u003e\u003ctd\u00
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)\u003cspan\u003e\u003c/td\u003e\u003ctd\u003e21
days\u003cspan\u003e (Details: UCUM code d \u003d
\u0027d\u0027)\u003cspan\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\u003c/tr\u003e\u003c/td\u003e-\u003c/td\u003e\u003ctd\
\u003e\u003cb\u003eAllowed[x]\u003c/b\u003e\u003c/td\u003e\u003ctd\u003e\u003cb\u003eR
eason\u003c/b\u003e\u003c/td\u003e\u003c/tr\u003e\u003e\u003ctd\u003e*\u003c/td\
\u003e\u003ctd\u003eTherapeutic Brand \u003cspan\u003e (Details :
{http://terminology.hl7.org/CodeSystem/v3-substanceAdminSubstitution code \u0027TB\u0027
\u003d \u0027therapeutic brand\u0027, given as \u0027Therapeutic
Brand\u0027})\u003cspan\u003e\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})\u003cspan\u003e\u003c/td\u003e\u003c/tr\u003e\u003c/table\u003e\u003c/div\
u003e"
},
"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:

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

(OFFICIAL)\u003c/p\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\u003cb\u003esubject\u003c

/b\u003e: \u003ca\u003eDonald

Duck\u003c/a\u003e\u003c/p\u003e\u003cp\u003e\u003cb\u003eauthoredOn\u003c/b\u003e:
 15/01/2015\u003c/p\u003e\u003cp\u003e\u003cb\u003erequester\u003c/b\u003e:
 \u003ca\u003ePatrick
 Pump\u003c/a\u003e\u003c/p\u003e\u003cp\u003e\u003cb\u003edosageInstruction\u003c/b\u003e:
 \u003c/p\u003e\u003ch3\u003eDispenseRequests\u003c/h3\u003e\u003ctable\u003e\u003ctr\u003e
 \u003e\u003ctd\u003e-\u003c/td\u003e\u003ctd\u003e\u003cb\u003eValidityPeriod\u003c/b\u003e\u003e
 \u003c/td\u003e\u003ctd\u003e\u003cb\u003eNumberOfRepeatsAllowed\u003c/b\u003e\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\u003c/tr\u003e\u003e
 \u003c/td\u003e\u003e*\u003c/td\u003e\u003e15/01/2015 --\u0026gt;
 15/01/2016\u003c/td\u003e\u003e3\u003c/td\u003e\u003e10
 ml\u003cspan\u003e (Details: UCUM code ml \u003d
 \u0027ml\u0027)\u003c/span\u003e\u003c/td\u003e\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:
\u003c/p\u003e\u003cp\u003e\u003cb\u003eidentifier\u003c/b\u003e: 12345689
(OFFICIAL)\u003c/p\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: 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\u003e\u003cb\u003esubject\u003c/b\u003e: \u003ca\u003eDonald Duck\u003c/a\u003e\u003cp\u003e\u003e\u003cb\u003eencounter\u003c/b\u003e: \u003ca\u003eencounter who leads to this prescription\u003c/a\u003e\u003cp\u003e\u003e\u003cb\u003eauthoredOn\u003c/b\u003e: 15/01/2015\u003cp\u003e\u003e\u003cb\u003erequester\u003c/b\u003e: \u003ca\u003ePatrick Pump\u003c/a\u003e\u003cp\u003e\u003e\u003cb\u003edosageInstruction\u003c/b\u003e: \u003cp\u003e\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\u003c/td\u003e\u003ctd\u003e\u003cb\u003eQuantity\u003c/b\u003e\u003c/td\u003e\u003ctd\u003e\u003cb\u003eExpectedSupplyDuration\u003c/b\u003e\u003c/td\u003e\u003ctr\u003e\u003ctd\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\u003ctr\u003e\u003c/table\u003e\u003ch3\u003eSubstitutions\u003c/h3\u003e\u003ctable\u003e\u003ctr\u003e\u003ctd\u003e-\u003c/td\u003e\u003ctd\u003e\u003cb\u003eAllowed[x]\u003c/b\u003e\u003c/td\u003e\u003ctd\u003e\u003cb\u003eReason\u003c/b\u003e\u003c/td\u003e\u003ctr\u003e\u003ctd\u003e\u003e*\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\u003ctr\u003e\u003c/table\u003e\u003c/div\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"

 }

]

 }

]

```

    }
  }
],
"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"  
    }  
  ]  
}  
}
```