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WS

中华人民共和国卫生行业标准

WS/T XXXXX.8—XXXX

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医院信息平台交互规范  
第8部分：医嘱信息交互服务

Hospital information platform interactive specification—  
Part 8：Order information services

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前  言

WS/T XXXXX《医院信息平台交互规范》分为以下十一部分：

1. 第1部分：总则
2. 第2部分：个人信息注册、查询服务；
3. 第3部分：医疗卫生机构注册、查询服务；
4. 第4部分：医疗卫生人员注册、查询服务；
5. 第5部分：术语注册、查询服务；
6. 第6部分：文档注册、查询服务；
7. 第7部分：就诊信息交互服务；
8. 第8部分：医嘱信息交互服务；
9. 第9部分：申请单信息交互服务；
10. 第10部分：预约信息交互服务；
11. 第11部分：状态信息交互服务。

本部分为WS/T XXXXX的第8部分。

本部分按照GB/T1.1—2009给出的规则起草。

本部分起草单位：

本部分主要起草人：

医院信息平台交互规范  
第8部分：医嘱信息交互服务

1. 范围

WS/T XXXXX的本部分规定了医嘱信息交互服务消息的模板、消息架构的要求以及对消息内容的一系列约束。

本部分适用于医嘱信息交互服务的应用。

1. 规范性引用文件

下列文件对于本文件的应用是必不可少的。凡是注日期的引用文件，仅所注日期的版本适用于本文件。凡是不注日期的引用文件，其最新版本（包括所有的修改单）适用于本文件。

WS/T XXXXX.1-XXXX 医院信息平台交互规范 第1部分：总则

1. 术语和定义

WS/T XXXXX.1-XXXX中界定的术语和定义适用于本文件

1. 规范说明

见WS/T XXXXX.1-XXXX

1. 交互服务
   1. 医嘱信息新增服务（OrderInfoAdd）
      1. 角色和交易
         1. 角色交易图

医嘱信息新增服务的角色交易图如图1所示。



1. 医嘱信息新增服务角色交易图
   * + 1. 角色的选择

医嘱信息新增服务的角色列表如表1所示。

1. 医嘱信息新增服务角色列表

|  |  |  |
| --- | --- | --- |
| **角色** | **交易** | **选择** |
| 医嘱信息源 | 医嘱信息新增 | 必须（R） |
| 医嘱信息新增服务 | 医嘱信息新增 | 必须（R） |

* + - 1. 交易流程

医嘱信息新增服务的交易流程图如图2所示。



1. 医嘱信息新增服务交易流程图

医嘱信息新增服务的交易流程描述：

1. 医嘱信息源向医嘱信息新增服务提交请求消息；
2. 医嘱信息新增服务校验数据并进行存储。
   * 1. 接口规范模型
        1. 请求消息模型

医嘱信息新增服务的请求消息模型如表2所示。

1. 医嘱信息新增服务请求消息模型

| **节点** | **基数** | **可选项** | **节点说明** | **对应数据元标识符/格式要求** |
| --- | --- | --- | --- | --- |
| /id/@extension | 1..1 | R | 消息ID | 字符串，最大长度为50 |
| /id/@root | 1..1 | R | 固定值"2.16.156.10011.2.5.1.1"  （表示消息标识的OID编码） | — |
| /creationTime/@value | 1..1 | R | 消息创建时间 | 日期时间格式，DT14 |
| /controlActProcess/subject/placerGroup/author/time/@value | 1..1 | R | 医嘱开立日期时间 | DE06.00.220.00 |
| /controlActProcess/subject/placerGroup/author/signatureCode/@code | 0..1 | O | 签名编码,固定值"S" | — |
| /controlActProcess/subject/placerGroup/author/signatureText/@value | 0..1 | O | 医嘱开立者签名 | DE02.01.039.00 |
| /controlActProcess/subject/placerGroup/author/assignedEntity/id/item/@extension | 0..1 | O | 医务人员工号 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/author/assignedEntity/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.4"  （表示医务人员工号的OID编码） | — |
| /controlActProcess/subject/placerGroup/author/assignedEntity/assignedPerson/name/item/part/@value | 0..1 | O | 医嘱开立者 | DE02.01.039.00 |
| /controlActProcess/subject/placerGroup/author/assignedEntity/representedOrganization/id/item/@extension | 0..1 | O | 医疗卫生机构（科室）ID | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/author/assignedEntity/representedOrganization/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.26"  （表示科室号标识OID编码） | — |
| /controlActProcess/subject/placerGroup/author/assignedEntity/representedOrganization/name/item/part/@value | 0..1 | O | 医嘱开立科室 | DE08.10.026.00 |
| /controlActProcess/subject/placerGroup/verifier/time/@value | 0..1 | O | 医嘱审核日期时间 | DE09.00.088.00 |
| substanceAdministrationRequest/ verifier/ signatureText/@value | 0..1 | O | 医嘱审核者签名 | DE02.01.039.00 |
| /controlActProcess/subject/placerGroup/verifier/assignedEntity/id/item/@extension | 0..1 | O | 医务人员工号 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/verifier/assignedEntity/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.4"  （表示医务人员工号的OID编码） | — |
| /controlActProcess/subject/placerGroup/verifier/assignedEntity/assignedPerson/name/item/part/@value | 0..1 | O | 医嘱审核者姓名 | DE02.01.039.00 |
| /controlActProcess/subject/placerGroup/component2 | 1..\* | R | 医嘱信息根节点 | — |
| /controlActProcess/subject/placerGroup/component2/sequenceNumber/@value | 0..1 | O | 医嘱序号 | 数值型，最大长度为4 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/id/@extension | 1..1 | R | 医嘱ID | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/id/@root | 1..1 | R | 固定值"2.16.156.10011.1.28"  （表示医嘱编号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/code/@codeSystem | 0..1 | O | 固定值"2.16.156.10011.2.3.1.268"  （表示医嘱项目类型代码表（CV06.00.229）的OID编码） | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/code/@code | 0..1 | O | 医嘱项目类型代码 | DE06.00.289.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/code/displayName/@value | 0..1 | O | 医嘱项目类型名称 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/text/@value | 0..1 | O | 医嘱项目内容 | DE06.00.288.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/effectiveTime/@ validTimeLow | 0..1 | O | 医嘱开始日期时间 | DE06.00.222.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/effectiveTime/@ validTimeHigh | 0..1 | O | 医嘱结束日期时间 | DE06.00.219.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/effectiveTime/code/@ codeSystem | 0..1 | O | 固定值"2.16.156.10011.2.5.1.13"  （表示药物使用频次代码表（CV06.00.228）的OID编码） | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/effectiveTime/code/@code | 0..1 | O | 医嘱执行频率编码 | DE06.00.133.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/effectiveTime/code/displayName/@value | 0..1 | O | 医嘱执行频率名称 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/routeCode/@codeSystem | 0..1 | O | 固定值"2.16.156.10011.2.3.1.158"  （表示用药途径代码表（CV06.00.102）的OID编码） | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/routeCode/@codeSystemName | 0..1 | O | 固定值"用药途径代码表" | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/routeCode/@code | 0..1 | O | 用药途径 | DE06.00.134.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/routeCode/displayName/@value | 0..1 | O | 用药途径描述 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/doseQuantity/@value | 0..1 | O | 用药剂量-单次 | DE08.50.023.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/doseQuantity/@unit | 0..1 | O | 用药剂量-单次用量单位 | DE08.50.024.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/doseCheckQuantity/item/numerator/@value | 0..1 | O | 药物使用总剂量 | DE06.00.135.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/doseCheckQuantity/item/numerator/@unit | 0..1 | O | 药物使用总剂量单位 | 字符串，最大长度为10 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/doseCheckQuantity/item/denominator/@value | 0..1 | O | 药物使用总剂量天数 | 数值型，最大长度为4 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/administrationUnitCode/@codeSystem | 0..1 | O | 固定值"2.16.156.10011.2.3.1.211"  （表示药物剂型代码表（CV08.50.002）的OID编码） | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/administrationUnitCode/@codeSystemName | 0..1 | O | 固定值"药物剂型代码表" | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/administrationUnitCode/@code | 0..1 | O | 药物剂型 | DE08.50.011.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/administrationUnitCode/displayName/@value | 0..1 | O | 药物剂型描述 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/consumable2/manufacturedProduct1/manufacturedProduct/code/@codeSystem | 0..1 | O | 固定值"2.16.156.10011.2.5.1.14"  （表示药物编码的OID编码） | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/consumable2/manufacturedProduct1/manufacturedProduct/code/@code | 0..1 | O | 药物编码 | DE08.50.022.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/consumable2/manufacturedProduct1/manufacturedProduct/name/item/part/@value | 0..1 | O | 药物名称 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/consumable2/manufacturedProduct1/manufacturedProduct/asContent/containerPackagedProduct/capacityQuantity/@value | 0..1 | O | 药物规格 | DE08.50.043.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/consumable2/manufacturedProduct1/manufacturedProduct/asContent/containerPackagedProduct/capacityQuantity/@unit | 0..1 | O | 药物规格单位 | 字符串，最大长度为10 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/consumable2/manufacturedProduct1/subjectOf3/policy/code/@code | 0..1 | O | 药物医保类别编码 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/consumable2/manufacturedProduct1/subjectOf3/policy/code/displayName/@value | 0..1 | O | 药物医保类别名称 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/location/serviceDeliveryLocation/location/id/item/@extension | 0..1 | O | 执行科室编码 | DE08.10.025.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/location/serviceDeliveryLocation/location/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.26"  （表示科室号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/location/serviceDeliveryLocation/location/name/item/part/@value | 0..1 | O | 执行科室名称 | DE08.10.026.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/occurrenceOf/parentRequestReference/id/@extension | 0..1 | O | 父医嘱ID | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/pertinentInformation/observation/value/@code | 0..1 | O | 医嘱类别编码 | DE06.00.286.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/pertinentInformation/observation/value/@codeSystem | 0..1 | O | 固定值"2.16.156.10011.2.3.2.58"  （表示医嘱类别代码表（DE06.00.286.00）的OID编码） | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/pertinentInformation/observation/value/displayName/@value | 0..1 | O | 医嘱类别名称 | DE06.00.286.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/component2/supplyRequest/quantity/@value | 0..1 | O | 领药量 | 字符串，最大长度为10 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/component2/supplyRequest/quantity/@unit | 0..1 | O | 领药量单位 | 字符串，最大长度为10 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/subjectOf6/annotation/text/@value | 0..1 | O | 医嘱备注信息 | 字符串，最大长度为200 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/subjectOf6/annotation/statusCode/@code | 0..1 | O | 医嘱备注信息状态 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/id/item/@extension | 1..1 | R | 就诊次数 | 数值型，最大长度为3 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/id/item/@root | 1..1 | R | 固定值"2.16.156.10011.2.5.1.8"  （表示就诊次数的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/id/item/@extension | 1..1 | R | 就诊流水号 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/id/item/@root | 1..1 | R | 固定值"2.16.156.10011.2.5.1.9"  （表示就诊流水号的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/code/@code | 1..1 | R | 就诊类别编码 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/code/@codeSystem | 1..1 | R | 固定值"2.16.156.10011.2.3.1.271"  （表示患者类型代码表的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/code/displayName/@value | 1..1 | R | 就诊类别名称 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/id/item/@extension | 1..1 | R | 域ID | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/id/item/@root | 1..1 | R | 固定值"2.16.156.10011.2.5.1.5"  （表示域标识符的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/id/item/@extension | 1..1 | R | 患者ID标识 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/id/item/@root | 1..1 | R | 固定值"2.16.156.10011.2.5.1.4"  （表示患者ID的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/id/item/@extension | 0..1 | O | 门（急）诊号标识 | DE01.00.010.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.11"  （表示门（急）诊号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/id/item/@extension | 0..1 | O | 住院号标识 | DE01.00.014.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.12"  （表示住院号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/telecom/item/@value | 0..1 | O | 患者就医联系电话 | DE02.01.010.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/id/item/@extension | 0..1 | O | 患者身份证号 | DE02.01.030.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.3"  （表示患者身份证号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/name/item/part/@value | 1..1 | R | 患者姓名 | DE02.01.039.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/administrativeGenderCode/@codeSystem | 0..1 | O | 固定值"2.16.156.10011.2.3.3.4"  （表示生理性别代码表（GB/T 2261.1）的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/administrativeGenderCode/@codeSystemName | 0..1 | O | 固定值"生理性别代码表（GB/T 2261.1）" | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/administrativeGenderCode/@code | 0..1 | O | 性别代码 | DE02.01.040.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/administrativeGenderCode/displayName/@value | 0..1 | O | 患者性别描述 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/birthTime/@value | 0..1 | O | 出生日期 | DE02.01.005.01 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/asOtherIDs/id/item[@root="2.16.156.10011.1.2"]/@extension | 0..1 | O | 健康档案编号 | DE01.00.009.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/asOtherIDs/id/item[@root="2.16.156.10011.1.2"]/@root | 0..1 | O | 固定值"2.16.156.10011.1.2"  （表示健康档案编号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/asOtherIDs/id/item/@extension | 0..1 | O | 健康卡号 | DE01.00.021.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/asOtherIDs/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.19"  （表示健康卡号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/location/id/item/@extension | 0..1 | O | 病床号 | DE01.00.026.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/location/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.22"  （表示病床号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/location/name/item/part/@value | 0..1 | O | 病床号名称 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/location/asLocatedEntityPartOf/location/id/item/@extension | 0..1 | O | 病房号 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/location/asLocatedEntityPartOf/location/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.21"  （表示病房号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/location/asLocatedEntityPartOf/location/name/item/part/@value | 0..1 | O | 病房号名称 | DE01.00.019.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/serviceProviderOrganization/id/item/@extension | 0..1 | O | 科室编码 | DE08.10.025.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/serviceProviderOrganization/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.26"  （表示科室号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/serviceProviderOrganization/name/item/part/@value | 0..1 | O | 科室名称 | DE08.10.026.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/serviceProviderOrganization/asOrganizationPartOf/wholeOrganization/id/item/@extension | 0..1 | O | 病区编码 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/serviceProviderOrganization/asOrganizationPartOf/wholeOrganization/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.27"  （表示病区号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/serviceProviderOrganization/asOrganizationPartOf/wholeOrganization/name/item/part/@value | 0..1 | O | 病区名称 | DE08.10.054.00 |

* + - 1. 响应消息模型（成功）

医嘱信息新增服务的响应消息模型（成功）如表3所示。

1. 医嘱信息新增服务响应消息模型（成功）

| **节点** | **基数** | **可选项** | **节点说明** | **对应数据元标识符/格式要求** |
| --- | --- | --- | --- | --- |
| /id/@extension | 1..1 | R | 消息ID | 字符串，最大长度为50 |
| /id/@root | 1..1 | R | 固定值"2.16.156.10011.2.5.1.1"  （表示消息标识的OID编码） | — |
| /creationTime/@value | 1..1 | R | 消息创建时间 | 日期时间格式，DT14 |
| /acknowledgement/@typeCode | 1..1 | R | 处理结果，固定值"AA"表示成功 | — |
| /acknowledgement/targetMessage/id/@extension | 1..1 | R | 请求消息ID | 字符串，最大长度为50 |
| /acknowledgement/targetMessage/id/@root | 1..1 | R | 固定值"2.16.156.10011.2.5.1.1"  （表示消息标识的OID编码） | — |
| /acknowledgement/acknowledgementDetail/text/@value | 1..1 | R | 处理结果说明 | 字符串，最大长度为200 |

* + - 1. 响应消息模型（异常）

医嘱信息新增服务的响应消息模型（异常）如表4所示。

1. 医嘱信息新增服务响应消息模型（异常）

| **节点** | **基数** | **可选项** | **节点说明** | **对应数据元标识符/格式要求** |
| --- | --- | --- | --- | --- |
| /id/@extension | 1..1 | R | 消息ID | 字符串，最大长度为50 |
| /id/@root | 1..1 | R | 固定值"2.16.156.10011.2.5.1.1"  （表示消息标识的OID编码） | — |
| /creationTime/@value | 1..1 | R | 消息创建时间 | 日期时间格式，DT14 |
| /acknowledgement/@typeCode | 1..1 | R | 处理结果，固定值"AE"表示失败 | — |
| /acknowledgement/targetMessage/id/@extension | 1..1 | R | 请求消息ID | 字符串，最大长度为50 |
| /acknowledgement/targetMessage/id/@root | 1..1 | R | 固定值"2.16.156.10011.2.5.1.1"  （表示消息标识的OID编码） | — |
| /acknowledgement/acknowledgementDetail/text/@value | 1..1 | R | 处理结果说明 | 字符串，最大长度为200 |

* 1. 医嘱信息更新服务（OrderInfoUpdate）
     1. 角色和交易
        1. 角色交易图

医嘱信息更新服务的角色交易图如图3所示。



1. 医嘱信息更新服务角色交易图
   * + 1. 角色的选择

医嘱信息更新服务的角色列表如表5所示。

1. 医嘱信息更新服务角色列表

|  |  |  |
| --- | --- | --- |
| **角色** | **交易** | **选择** |
| 医嘱信息源 | 医嘱信息更新 | 必须（R） |
| 医嘱信息更新服务 | 医嘱信息更新 | 必须（R） |

* + - 1. 交易流程

医嘱信息更新服务的交易流程图如图4所示。



1. 医嘱信息更新服务交易流程图

医嘱信息更新服务的交易流程描述：

1. 医嘱信息源向医嘱信息更新服务提交请求消息；
2. 医嘱信息更新服务校验数据并进行存储。
   * 1. 接口规范模型
        1. 请求消息模型

医嘱信息更新服务的请求消息模型如表6所示。

1. 医嘱信息更新服务请求消息模型

| **节点** | **基数** | **可选项** | **节点说明** | **对应数据元标识符/格式要求** |
| --- | --- | --- | --- | --- |
| /id/@extension | 1..1 | R | 消息ID | 字符串，最大长度为50 |
| /id/@root | 1..1 | R | 固定值"2.16.156.10011.2.5.1.1"  （表示消息标识的OID编码） | — |
| /creationTime/@value | 1..1 | R | 消息创建时间 | 日期时间格式，DT14 |
| /controlActProcess/subject/placerGroup/author/time/@value | 1..1 | R | 医嘱开立日期时间 | DE06.00.220.00 |
| /controlActProcess/subject/placerGroup/author/signatureCode/@code | 0..1 | O | 签名编码,固定值"S" | — |
| /controlActProcess/subject/placerGroup/author/signatureText/@value | 0..1 | O | 医嘱开立者签名 | DE02.01.039.00 |
| /controlActProcess/subject/placerGroup/author/assignedEntity/id/item/@extension | 0..1 | O | 医嘱开立者工号 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/author/assignedEntity/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.4"  （表示医务人员工号的OID编码） | — |
| /controlActProcess/subject/placerGroup/author/assignedEntity/assignedPerson/name/item/part/@value | 0..1 | O | 医嘱开立者姓名 | DE02.01.039.00 |
| /controlActProcess/subject/placerGroup/author/assignedEntity/representedOrganization/id/item/@extension | 0..1 | O | 医疗卫生机构（科室）ID | DE08.10.025.00 |
| /controlActProcess/subject/placerGroup/author/assignedEntity/representedOrganization/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.26"  （表示科室号标识OID编码） | — |
| /controlActProcess/subject/placerGroup/author/assignedEntity/representedOrganization/name/item/part/@value | 0..1 | O | 医嘱开立科室名称 | DE08.10.026.00 |
| /controlActProcess/subject/placerGroup/verifier/time/@value | 0..1 | O | 医嘱审核日期时间 | DE09.00.088.00 |
| substanceAdministrationRequest/verifier/signatureText/@value | 0..1 | O | 医嘱审核者签名 | DE02.01.039.00 |
| /controlActProcess/subject/placerGroup/verifier/assignedEntity/id/item/@extension | 0..1 | O | 医嘱审核者工号 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/verifier/assignedEntity/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.4"  （表示医务人员工号的OID编码） | — |
| /controlActProcess/subject/placerGroup/verifier/assignedEntity/assignedPerson/name/item/part/@value | 0..1 | O | 医嘱审核者姓名 | DE02.01.039.00 |
| /controlActProcess/subject/placerGroup/component2 | 1..\* | R | 医嘱信息根节点 | — |
| /controlActProcess/subject/placerGroup/component2/sequenceNumber/@value | 0..1 | O | 医嘱序号 | 数值型，最大长度为4 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/id/@extension | 1..1 | R | 医嘱ID | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/id/@root | 1..1 | R | 固定值"2.16.156.10011.1.28"  （表示医嘱编号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/code/@codeSystem | 0..1 | O | 固定值"2.16.156.10011.2.3.1.268"  （表示医嘱项目类型代码表（CV06.00.229）的OID编码） | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/code/@code | 0..1 | O | 医嘱项目类型代码 | DE06.00.289.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/code/displayName/@value | 0..1 | O | 医嘱项目类型名称 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/text/@value | 0..1 | O | 医嘱项目内容 | DE06.00.288.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/effectiveTime/@ validTimeLow | 0..1 | O | 医嘱计划开始日期时间 | DE06.00.222.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/effectiveTime/@ validTimeHigh | 0..1 | O | 医嘱计划结束日期时间 | DE06.00.219.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/effectiveTime/code/@codeSystem | 0..1 | O | 固定值"2.16.156.10011.2.5.1.13"  （表示药物使用频次代码表（CV06.00.228）的OID编码） | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/effectiveTime/code/@code | 0..1 | O | 医嘱执行频率编码 | DE06.00.133.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/effectiveTime/code/displayName/@value | 0..1 | O | 医嘱执行频率名称 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/routeCode/@codeSystem | 0..1 | O | 固定值"2.16.156.10011.2.3.1.158"  （表示用药途径代码表（CV06.00.102）的OID编码） | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/routeCode/@codeSystemName | 0..1 | O | 固定值"用药途径代码表" | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/routeCode/@code | 0..1 | O | 用药途径 | DE06.00.134.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/routeCode/displayName/@value | 0..1 | O | 用药途径描述 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/doseQuantity/@value | 0..1 | O | 用药剂量-单次 | DE08.50.023.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/doseQuantity/@unit | 0..1 | O | 用药剂量-单次用量单位 | DE08.50.024.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/doseCheckQuantity/item/numerator/@value | 0..1 | O | 药物使用总剂量 | DE06.00.135.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/doseCheckQuantity/item/numerator/@unit | 0..1 | O | 药物使用总剂量单位 | 字符串，最大长度为10 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/doseCheckQuantity/item/denominator/@value | 0..1 | O | 药物使用总剂量天数 | 数值型，最大长度为4 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/administrationUnitCode/@codeSystem | 0..1 | O | 固定值"2.16.156.10011.2.3.1.211"  （表示药物剂型代码表（CV08.50.002）的OID编码） | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/administrationUnitCode/@codeSystemName | 0..1 | O | 固定值"药物剂型代码表" | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/administrationUnitCode/@code | 0..1 | O | 药物剂型编码 | DE08.50.011.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/administrationUnitCode/displayName/@value | 0..1 | O | 药物剂型名称 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/consumable2/manufacturedProduct1/manufacturedProduct/code/@codeSystem | 0..1 | O | 固定值"2.16.156.10011.2.5.1.14"  （表示药物编码的OID编码） | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/consumable2/manufacturedProduct1/manufacturedProduct/code/@code | 0..1 | O | 药物编码 | DE08.50.022.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/consumable2/manufacturedProduct1/manufacturedProduct/name/item/part/@value | 0..1 | O | 药物名称描述 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/consumable2/manufacturedProduct1/manufacturedProduct/asContent/containerPackagedProduct/capacityQuantity/@value | 0..1 | O | 药物规格 | DE08.50.043.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/consumable2/manufacturedProduct1/manufacturedProduct/asContent/containerPackagedProduct/capacityQuantity/@unit | 0..1 | O | 药物规格单位 | 字符串，最大长度为10 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/consumable2/manufacturedProduct1/subjectOf3/policy/code/@code | 0..1 | O | 药物医保类别编码 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/consumable2/manufacturedProduct1/subjectOf3/policy/code/displayName/@value | 0..1 | O | 药物医保类别名称 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/location/serviceDeliveryLocation/location/id/item/@extension | 0..1 | O | 执行科室编码 | DE08.10.025.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/location/serviceDeliveryLocation/location/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.26"  （表示科室号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/location/serviceDeliveryLocation/location/name/item/part/@value | 0..1 | O | 执行科室名称 | DE08.10.026.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/occurrenceOf/parentRequestReference/id/@extension | 0..1 | O | 父医嘱ID | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/pertinentInformation/observation/value/@code | 0..1 | O | 医嘱类别编码 | DE06.00.286.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/pertinentInformation/observation/value/@codeSystem | 0..1 | O | 固定值"2.16.156.10011.2.3.2.58"  （表示医嘱类别代码表（DE06.00.286.00）的OID编码） | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/pertinentInformation/observation/value/displayName/@value | 0..1 | O | 医嘱类别名称 | DE06.00.286.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/component2/supplyRequest/quantity/@value | 0..1 | O | 领药量 | 字符串，最大长度为10 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/component2/supplyRequest/quantity/@unit | 0..1 | O | 领药量单位 | 字符串，最大长度为10 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/subjectOf6/annotation/text/@value | 0..1 | O | 医嘱备注信息 | 字符串，最大长度为200 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/subjectOf6/annotation/statusCode/@code | 0..1 | O | 医嘱备注信息状态 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/id/item/@extension | 1..1 | R | 就诊次数 | 数值型，最大长度为3 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/id/item/@root | 1..1 | R | 固定值"2.16.156.10011.2.5.1.8"  （表示就诊次数的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/id/item/@extension | 1..1 | R | 就诊流水号" | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/id/item/@root | 1..1 | R | 固定值"2.16.156.10011.2.5.1.9"  （表示就诊流水号的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/code/@code | 1..1 | R | 就诊类别编码 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/code/@codeSystem | 1..1 | R | 固定值"2.16.156.10011.2.3.1.271"  （表示患者类型代码表的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/code/displayName/@value | 1..1 | R | 就诊类别名称 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/id/item/@extension | 1..1 | R | 域ID | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/id/item/@root | 1..1 | R | 固定值"2.16.156.10011.2.5.1.5"  （表示域标识符的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/id/item/@extension | 1..1 | R | 患者ID标识 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/id/item/@root | 1..1 | R | 固定值"2.16.156.10011.2.5.1.4"  （表示患者ID的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/id/item/@extension | 0..1 | O | 门（急）诊号标识 | DE01.00.010.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.11"  （表示门（急）诊号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/id/item/@extension | 0..1 | O | 住院号标识 | DE01.00.014.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.12"  （表示住院号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/telecom/item/@value | 0..1 | O | 患者就医联系电话 | DE02.01.010.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/id/item/@extension | 0..1 | O | 患者身份证号 | DE02.01.030.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.3"  （表示患者身份证号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/name/item/part/@value | 1..1 | R | 患者姓名 | DE02.01.039.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/administrativeGenderCode/@codeSystem | 0..1 | O | 固定值"2.16.156.10011.2.3.3.4"  （表示生理性别代码表（GB/T 2261.1）的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/administrativeGenderCode/@codeSystemName | 0..1 | O | 固定值"生理性别代码表（GB/T 2261.1）" | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/administrativeGenderCode/@code | 0..1 | O | 性别代码 | DE02.01.040.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/administrativeGenderCode/displayName/@value | 0..1 | O | 患者性别描述 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/birthTime/@value | 0..1 | O | 患者出生日期 | DE02.01.005.01 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/asOtherIDs/id/item[@root="2.16.156.10011.1.2"]/@extension | 0..1 | O | 健康档案编号 | DE01.00.009.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/asOtherIDs/id/item[@root="2.16.156.10011.1.2"]/@root | 0..1 | O | 固定值"2.16.156.10011.1.2"  （表示健康档案编号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/asOtherIDs/id/item/@extension | 0..1 | O | 健康卡号 | DE01.00.021.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/asOtherIDs/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.19"  （表示健康卡号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/location/id/item/@extension | 0..1 | O | 病床号 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/location/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.22"  （表示用药途径代码表（CV06.00.102）的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/location/name/item/part/@value | 0..1 | O | 病床号名称 | DE01.00.026.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/location/asLocatedEntityPartOf/location/id/item/@extension | 0..1 | O | 病房号 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/location/asLocatedEntityPartOf/location/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.21"  （表示用药途径代码表（CV06.00.102）的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/location/asLocatedEntityPartOf/location/name/item/part/@value | 0..1 | O | 病房号名称 | DE01.00.019.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/serviceProviderOrganization/id/item/@extension | 0..1 | O | 科室编码 | DE08.10.025.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/serviceProviderOrganization/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.26"  （表示用药途径代码表（CV06.00.102）的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/serviceProviderOrganization/name/item/part/@value | 0..1 | O | 科室名称 | DE08.10.026.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/serviceProviderOrganization/asOrganizationPartOf/wholeOrganization/id/item/@extension | 0..1 | O | 病区编码 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/serviceProviderOrganization/asOrganizationPartOf/wholeOrganization/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.27"  （表示用药途径代码表（CV06.00.102）的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/serviceProviderOrganization/asOrganizationPartOf/wholeOrganization/name/item/part/@value | 0..1 | O | 病区名称 | DE08.10.054.00 |

* + - 1. 响应消息模型（成功）

医嘱信息更新服务的响应消息模型（成功）如表7所示。

1. 医嘱信息更新服务响应消息模型（成功）

| **节点** | **基数** | **可选项** | **节点说明** | **对应数据元标识符/格式要求** |
| --- | --- | --- | --- | --- |
| /id/@extension | 1..1 | R | 消息ID | 字符串，最大长度为50 |
| /id/@root | 1..1 | R | 固定值"2.16.156.10011.2.5.1.1"  （表示消息标识的OID编码） | — |
| /creationTime/@value | 1..1 | R | 消息创建时间 | 日期时间格式，DT14 |
| /acknowledgement/@typeCode | 1..1 | R | 处理结果，固定值"AA"表示成功 | — |
| /acknowledgement/targetMessage/id/@extension | 1..1 | R | 请求消息ID | 字符串，最大长度为50 |
| /acknowledgement/targetMessage/id/@root | 1..1 | R | 固定值"2.16.156.10011.2.5.1.1"  （表示消息标识的OID编码） | — |
| /acknowledgement/acknowledgementDetail/text/@value | 1..1 | R | 处理结果说明 | 字符串，最大长度为200 |

* + - 1. 响应消息模型（异常）

医嘱信息更新服务的响应消息模型（异常）如表8所示。

1. 医嘱信息更新服务响应消息模型（异常）

| **节点** | **基数** | **可选项** | **节点说明** | **对应数据元标识符/格式要求** |
| --- | --- | --- | --- | --- |
| /id/@extension | 1..1 | R | 消息ID | 字符串，最大长度为50 |
| /id/@root | 1..1 | R | 固定值"2.16.156.10011.2.5.1.1"  （表示消息标识的OID编码） | — |
| /creationTime/@value | 1..1 | R | 消息创建时间 | 日期时间格式，DT14 |
| /acknowledgement/@typeCode | 1..1 | R | 处理结果，固定值"AE"表示失败 | — |
| /acknowledgement/targetMessage/id/@extension | 1..1 | R | 请求消息ID | 字符串，最大长度为50 |
| /acknowledgement/targetMessage/id/@root | 1..1 | R | 固定值"2.16.156.10011.2.5.1.1"  （表示消息标识的OID编码） | — |
| /acknowledgement/acknowledgementDetail/text/@value | 1..1 | R | 处理结果说明 | 字符串，最大长度为200 |

* 1. 医嘱信息查询服务（OrderInfoQuery）
     1. 角色和交易
        1. 角色交易图

医嘱信息查询服务的角色交易图如图5所示。



1. 医嘱信息查询服务角色交易图
   * + 1. 角色的选择

医嘱信息查询服务的角色列表如表9所示。

1. 医嘱信息查询服务角色列表

|  |  |  |
| --- | --- | --- |
| **角色** | **交易** | **选择** |
| 医嘱信息使用者 | 医嘱信息查询 | 必须（R） |
| 医嘱信息查询服务 | 医嘱信息查询 | 必须（R） |

* + - 1. 交易流程

医嘱信息查询服务的交易流程图如图6所示。



1. 医嘱信息查询服务交易流程图

医嘱信息查询服务的交易流程描述：

1. 医嘱信息使用者向医嘱信息查询服务提交医嘱信息查询请求消息；
2. 医嘱信息查询服务将查询结果返回给医嘱信息使用者。
   * 1. 接口规范模型
        1. 请求消息模型

医嘱信息查询服务的请求消息模型如表10所示。

1. 医嘱信息查询服务请求消息模型

| **节点** | **基数** | **可选项** | **节点说明** | **对应数据元标识符/格式要求** |
| --- | --- | --- | --- | --- |
| /id/@extension | 1..1 | R | 消息ID | 字符串，最大长度为50 |
| /id/@root | 1..1 | R | 固定值"2.16.156.10011.2.5.1.1"  （表示消息标识的OID编码） | — |
| /creationTime/@value | 1..1 | R | 消息创建时间 | 日期时间格式，DT14 |
| /controlActProcess/queryByParameter/queryByParameterPayload/actId/value/item/@extension | 1..1 | R | 医嘱ID | 字符串，最大长度为50 |
| /controlActProcess/queryByParameter/queryByParameterPayload/actId/value/item/@root | 1..1 | R | 固定值"2.16.156.10011.1.28"  （表示医嘱编号标识的OID编码） | — |
| /controlActProcess/queryByParameter/queryByParameterPayload/authorId/value/item/@extension | 0..1 | O | 医嘱开立者ID(医务人员工号) | DE02.01.039.00 |
| /controlActProcess/queryByParameter/queryByParameterPayload/authorId/value/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.4"  （表示医务人员工号的OID编码） | — |
| /controlActProcess/queryByParameter/queryByParameterPayload/effectiveTime/value/low/@value | 0..1 | O | 医嘱有效期间（低值） | 日期型，最大长度为15 |
| /controlActProcess/queryByParameter/queryByParameterPayload/effectiveTime/value/high/@value | 0..1 | O | 医嘱有效期间（高值） | 日期型，最大长度为15 |
| /controlActProcess/queryByParameter/queryByParameterPayload/patientId /value/item/@extension | 0..1 | O | 患者ID | 字符串，最大长度为50 |
| /controlActProcess/queryByParameter/queryByParameterPayload/patientId /value/item/@root | 0..1 | O | 固定值"2.16.156.10011.2.5.1.4"  （表示患者ID的OID编码） | — |

* + - 1. 响应消息模型（成功）

医嘱信息查询服务的响应消息模型（成功）如表11所示。

1. 医嘱信息查询服务响应消息模型（成功）

| **节点** | **基数** | **可选项** | **节点说明** | **对应数据元标识符/格式要求** |
| --- | --- | --- | --- | --- |
| /id/@extension | 1..1 | R | 消息ID | 字符串，最大长度为50 |
| /id/@root | 1..1 | R | 固定值"2.16.156.10011.2.5.1.1"  （表示消息标识的OID编码） | — |
| /creationTime/@value | 1..1 | R | 消息创建时间 | 日期时间格式，DT14 |
| /acknowledgement/@typeCode | 1..1 | R | 处理结果标识 | 字符串，最大长度为10 |
| /acknowledgement/targetMessage/id/@extension | 1..1 | R | 请求消息ID | 字符串，最大长度为50 |
| /acknowledgement/targetMessage/id/@root | 1..1 | R | 固定值"2.16.156.10011.2.5.1.1"  （表示消息标识的OID编码） | — |
| /acknowledgement/acknowledgementDetail/text/@value | 1..1 | R | 处理结果说明 | 字符串，最大长度为200 |
| /controlActProcess/subject/placerGroup/author/time/@value | 1..1 | R | 医嘱开立日期时间 | DE06.00.220.00 |
| /controlActProcess/subject/placerGroup/author/signatureCode/@code | 0..1 | O | 电子签名编码,固定值"S" | — |
| /controlActProcess/subject/placerGroup/author/signatureText/@value | 0..1 | O | 医嘱开立者签名 | DE02.01.039.00 |
| /controlActProcess/subject/placerGroup/author/assignedEntity/id/item/@extension | 0..1 | O | 医嘱开立者工号 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/author/assignedEntity/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.4"  （表示医务人员工号的OID编码） | — |
| /controlActProcess/subject/placerGroup/author/assignedEntity/assignedPerson/name/item/part/@value | 0..1 | O | 医嘱开立者姓名 | DE02.01.039.00 |
| /controlActProcess/subject/placerGroup/author/assignedEntity/representedOrganization/id/item/@extension | 0..1 | O | 医疗卫生机构（科室）ID | DE08.10.025.00 |
| /controlActProcess/subject/placerGroup/author/assignedEntity/representedOrganization/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.26"  （表示科室号标识OID编码） | — |
| /controlActProcess/subject/placerGroup/author/assignedEntity/representedOrganization/name/item/part/@value | 0..1 | O | 医嘱开立科室名称 | DE08.10.026.00 |
| /controlActProcess/subject/placerGroup/verifier/time/@value | 0..1 | O | 医嘱审核日期时间 | DE09.00.088.00 |
| substanceAdministrationRequest/ verifier/ signatureText/@value | 0..1 | O | 医嘱审核者签名 | DE02.01.039.00 |
| /controlActProcess/subject/placerGroup/verifier/assignedEntity/id/item/@extension | 0..1 | O | 医嘱审核者工号 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/verifier/assignedEntity/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.4"  （表示医务人员工号的OID编码） | — |
| /controlActProcess/subject/placerGroup/verifier/assignedEntity/assignedPerson/name/item/part/@value/ | 0..1 | O | 医嘱审核者姓名 | DE02.01.039.00 |
| /controlActProcess/subject/placerGroup/component2 | 1..\* | R | 医嘱信息根节点 | — |
| /controlActProcess/subject/placerGroup/component2/sequenceNumber/@value | 0..1 | O | 医嘱序号 | 数值型，最大长度为4 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/id/@extension | 1..1 | R | 医嘱ID | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/id/@root | 1..1 | R | 固定值"2.16.156.10011.1.28"  （表示医嘱编号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/code/@codeSystem | 0..1 | O | 固定值"2.16.156.10011.2.3.1.268"  （表示医嘱项目类型代码表（CV06.00.229）的OID编码） | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/code/@code | 0..1 | O | 医嘱项目类型代码 | DE06.00.289.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/code/displayName/@value | 0..1 | O | 医嘱项目类型名称 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/text/@value | 0..1 | O | 医嘱项目内容 | DE06.00.288.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/effectiveTime/@ validTimeLow | 0..1 | O | 医嘱计划开始日期时间 | DE06.00.222.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/effectiveTime/@ validTimeHigh | 0..1 | O | 医嘱计划结束日期时间 | DE06.00.219.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/effectiveTime/code/@codeSystem | 0..1 | O | 固定值"2.16.156.10011.2.5.1.13"  （表示药物使用频次代码表（CV06.00.228）的OID编码） | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/effectiveTime/code/@code | 0..1 | O | 医嘱执行频率编码 | DE06.00.133.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/effectiveTime/code/displayName/@value | 0..1 | O | 医嘱执行频率名称 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/routeCode/@codeSystem | 0..1 | O | 固定值"2.16.156.10011.2.3.1.158"  （表示用药途径代码表（CV06.00.102）的OID编码） | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/routeCode/@codeSystemName | 0..1 | O | 用药途径代码表 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/routeCode/@code | 0..1 | O | 用药途径 | DE06.00.134.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/routeCode/displayName/@value | 0..1 | O | 用药途径描述 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/doseQuantity/@value | 0..1 | O | 用药剂量-单次用量 | DE08.50.023.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/doseQuantity/@unit | 0..1 | O | 用药剂量-单次用量单位 | DE08.50.024.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/doseCheckQuantity/item/numerator/@value | 0..1 | O | 药物使用总剂量 | DE06.00.135.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/doseCheckQuantity/item/numerator/@unit | 0..1 | O | 药物使用总剂量单位 | 字符串，最大长度为10 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/doseCheckQuantity/item/denominator/@value | 0..1 | O | 药物使用总剂量天数 | 数值型，最大长度为4 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/administrationUnitCode/@codeSystem | 0..1 | O | 固定值"2.16.156.10011.2.3.1.211"  （表示药物剂型代码表（CV08.50.002）的OID编码） | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/administrationUnitCode/@codeSystemName | 0..1 | O | 固定值"药物剂型代码表" | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/administrationUnitCode/@code | 0..1 | O | 药物剂型 | DE08.50.011.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/administrationUnitCode/displayName/@value | 0..1 | O | 药物剂型描述 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/consumable2/manufacturedProduct1/manufacturedProduct/code/@codeSystem | 0..1 | O | 固定值"2.16.156.10011.2.5.1.14"  （表示药物编码的OID编码） | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/consumable2/manufacturedProduct1/manufacturedProduct/code/@code | 0..1 | O | 药物编码 | DE08.50.022.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/consumable2/manufacturedProduct1/manufacturedProduct/name/item/part/@value | 0..1 | O | 药物名称 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/consumable2/manufacturedProduct1/manufacturedProduct/asContent/containerPackagedProduct/capacityQuantity/@value | 0..1 | O | 药物规格 | DE08.50.043.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/consumable2/manufacturedProduct1/manufacturedProduct/asContent/containerPackagedProduct/capacityQuantity/@unit | 0..1 | O | 药物规格单位 | 字符串，最大长度为10 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/consumable2/manufacturedProduct1/subjectOf3/policy/code/@code | 0..1 | O | 药物医保类别编码 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/consumable2/manufacturedProduct1/subjectOf3/policy/code/displayName/@value | 0..1 | O | 药物医保类别名称 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/location/serviceDeliveryLocation/location/id/item/@extension | 0..1 | O | 执行科室ID | DE08.10.025.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/location/serviceDeliveryLocation/location/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.26"  （表示科室号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/location/serviceDeliveryLocation/location/name/item/part/@value | 0..1 | O | 执行科室名称 | DE08.10.026.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/occurrenceOf/parentRequestReference/id/@extension | 0..1 | O | 父医嘱ID | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/pertinentInformation/observation/value/@code | 0..1 | O | 医嘱类别编码 | DE06.00.286.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/pertinentInformation/observation/value/@codeSystem | 0..1 | O | 固定值"2.16.156.10011.2.3.2.58"  （表示医嘱类别代码表（DE06.00.286.00）的OID编码） | — |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/pertinentInformation/observation/value/displayName/@value | 0..1 | O | 医嘱类别名称 | DE06.00.286.00 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/component2/supplyRequest/quantity/@value | 0..1 | O | 领药量 | 字符串，最大长度为10 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/component2/supplyRequest/quantity/@unit | 0..1 | O | 领药量单位 | 字符串，最大长度为10 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/subjectOf6/annotation/text/@value | 0..1 | O | 医嘱备注信息 | 字符串，最大长度为200 |
| /controlActProcess/subject/placerGroup/component2/substanceAdministrationRequest/subjectOf6/annotation/statusCode/@code | 0..1 | O | 医嘱备注信息状态 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/id/item/@extension | 1..1 | R | 就诊次数 | 数值型，最大长度为3 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/id/item/@root | 1..1 | R | 固定值"2.16.156.10011.2.5.1.8"  （表示就诊次数的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/id/item/@extension | 1..1 | R | 就诊流水号 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/id/item/@root | 1..1 | R | 固定值"2.16.156.10011.2.5.1.9"  （表示就诊流水号的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/code/@code | 1..1 | R | 就诊类别编码 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/code/@codeSystem | 1..1 | R | 固定值"2.16.156.10011.2.3.1.271"  （表示患者类型代码表的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/code/displayName/@value | 1..1 | R | 就诊类别名称 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/id/item/@extension | 1..1 | R | 域ID | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/id/item/@root | 1..1 | R | 固定值"2.16.156.10011.2.5.1.5"  （表示域标识符的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/id/item/@extension | 1..1 | R | 患者ID标识 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/id/item/@root | 1..1 | R | 固定值"2.16.156.10011.2.5.1.4"  （表示患者ID的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/id/item/@extension | 0..1 | O | 门（急）诊号标识 | DE01.00.010.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.11"  （表示门（急）诊号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/id/item/@extension | 0..1 | O | 住院号标识 | DE01.00.014.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.12"  （表示住院号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/telecom/item/@value | 0..1 | O | 患者就医联系电话 | DE02.01.010.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/id/item/@extension | 0..1 | O | 身份证号 | DE02.01.030.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.3"  （表示患者身份证号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/name/item/part/@value | 1..1 | R | 患者姓名 | DE02.01.039.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/administrativeGenderCode/@codeSystem | 0..1 | O | 固定值"2.16.156.10011.2.3.3.4"  （表示生理性别代码表（GB/T 2261.1）的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/administrativeGenderCode/@codeSystemName | 0..1 | O | 固定值"生理性别代码表（GB/T 2261.1）" | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/administrativeGenderCode/@code | 0..1 | O | 性别代码 | DE02.01.040.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/administrativeGenderCode/displayName/@value | 0..1 | O | 患者性别名称 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/birthTime/@value | 0..1 | O | 患者出生日期 | DE02.01.005.01 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/asOtherIDs/id/item[@root="2.16.156.10011.1.2"]/@extension | 0..1 | O | 健康档案编号 | DE01.00.009.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/asOtherIDs/id/item[@root="2.16.156.10011.1.2"]/@root | 0..1 | O | 固定值"2.16.156.10011.1.2"  （表示健康档案编号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/asOtherIDs/id/item/@extension | 0..1 | O | 健康卡号 | DE01.00.021.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/subject/patient/patientPerson/asOtherIDs/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.19"  （表示健康卡号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/location/id/item/@extension | 0..1 | O | 病床号编码 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/location/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.22"  （表示病床号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/location/name/item/part/@value | 0..1 | O | 病床号名称 | DE01.00.026.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/location/asLocatedEntityPartOf/location/id/item/@extension | 0..1 | O | 病房号 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/location/asLocatedEntityPartOf/location/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.21"  （表示病房号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/location/asLocatedEntityPartOf/location/name/item/part/@value | 0..1 | O | 病房号名称 | DE01.00.019.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/serviceProviderOrganization/id/item/@extension | 0..1 | O | 科室编码 | DE08.10.025.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/serviceProviderOrganization/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.26"  （表示科室号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/serviceProviderOrganization/name/item/part/@value | 0..1 | O | 科室名称 | DE08.10.026.00 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/serviceProviderOrganization/asOrganizationPartOf/wholeOrganization/id/item/@extension | 0..1 | O | 病区编码 | 字符串，最大长度为50 |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/serviceProviderOrganization/asOrganizationPartOf/wholeOrganization/id/item/@root | 0..1 | O | 固定值"2.16.156.10011.1.27"  （表示病区号标识的OID编码） | — |
| /controlActProcess/subject/placerGroup/componentOf1/encounter/location/serviceDeliveryLocation/serviceProviderOrganization/asOrganizationPartOf/wholeOrganization/name/item/part/@value | 0..1 | O | 病区名称 | DE08.10.054.00 |
| /controlActProcess/queryAck/queryResponseCode/@code | 1..1 | R | 查询结果代码 | 字符串，最大长度为50 |

* + - 1. 响应消息模型（异常）

医嘱信息查询服务的响应消息模型（异常）如表12所示。

1. 医嘱信息查询服务响应消息模型（异常）

| **节点** | **基数** | **可选项** | **节点说明** | **对应数据元标识符/格式要求** |
| --- | --- | --- | --- | --- |
| /id/@extension | 1..1 | R | 消息ID | 字符串，最大长度为50 |
| /id/@root | 1..1 | R | 固定值"2.16.156.10011.2.5.1.1"  （表示消息标识的OID编码） | — |
| /creationTime/@value | 1..1 | R | 消息创建时间 | 日期时间格式，DT14 |
| /acknowledgement/@typeCode | 1..1 | R | 处理结果，固定值"AE"表示失败 | — |
| /acknowledgement/targetMessage/id/@extension | 1..1 | R | 请求消息ID | 字符串，最大长度为50 |
| /acknowledgement/targetMessage/id/@root | 1..1 | R | 固定值"2.16.156.10011.2.5.1.1"  （表示消息标识的OID编码） | — |
| /acknowledgement/acknowledgementDetail/text/@value | 1..1 | R | 处理结果说明 | 字符串，最大长度为200 |
| /controlActProcess/queryAck/queryResponseCode/@code | 0..1 | O | 查询结果代码 | 字符串，最大长度为50 |

1. （规范性附录）  
   消息示例
   1. 医嘱信息新增服务
      1. 医嘱信息新增服务-请求消息

|  |
| --- |
| <POOR\_IN200901UV ITSVersion="XML\_1.0" xmlns="urn:hl7-org:v3" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:hl7-org:v3 ../multicacheschemas/ POOR\_IN200901UV.xsd">  <!-- 消息流水号 -->  <id root="2.16.156.10011.2.5.1.1" extension="@BS004"/>  <!-- 消息创建时间 -->  <creationTime value="20120106110000"/>  <!-- 消息的服务标识-->  <interactionId root="2.16.156.10011.2.5.1.2" extension="POOR\_IN200901UV"/>  <!--处理代码，标识此消息是否是产品、训练、调试系统的一部分。D：调试；P：产品；T：训练 -->  <processingCode code="P"/>  <!-- 消息处理模式: A(Archive); I(Initial load); R(Restore from archive); T(Current  processing) -->  <processingModeCode/>  <!-- 消息应答: AL(Always); ER(Error/reject only); NE(Never) -->  <acceptAckCode code="AL"/>  <!-- 接受者 -->  <receiver typeCode="RCV">  <device classCode="DEV" determinerCode="INSTANCE">  <!-- 接受者ID -->  <id>  <item root="2.16.156.10011.2.5.1.3" extension="@111"/>  </id>  </device>  </receiver>  <!-- 发送者 -->  <sender typeCode="SND">  <device classCode="DEV" determinerCode="INSTANCE">  <!-- 发送者ID -->  <id>  <item root="2.16.156.10011.2.5.1.3" extension="@222"/>  </id>  </device>  </sender>  <controlActProcess classCode="CACT" moodCode="EVN">  <subject typeCode="SUBJ">  <placerGroup classCode="GROUPER" moodCode="RQO">  <!--医嘱开立者-->  <author typeCode="AUT" contextControlCode="OP">  <!--医嘱开立日期时间-->  <time value="20120202030303"/>  <!--签名编码（固定值S）-->  <signatureCode code="S"/>  <!--医嘱开立者签名-->  <signatureText value="李医生"/>  <assignedEntity classCode="ASSIGNED">  <!--医务人员工号-->  <id>  <item root="2.16.156.10011.1.4" extension="120109197706015518"/>  </id>  <assignedPerson classCode="PSN" determinerCode="INSTANCE">  <!--医嘱开立者-->  <name xsi:type="BAG\_EN">  <item>  <part value="李医生"/>  </item>  </name>  </assignedPerson>  <representedOrganization classCode="ORG" determinerCode="INSTANCE">  <!--医疗卫生机构（科室）ID-->  <id>  <item root="2.16.156.10011.1.26" extension="1234567890"/>  </id>  <!--医嘱开立科室-->  <name xsi:type="BAG\_EN">  <item>  <part value="呼吸内科"/>  </item>  </name>  </representedOrganization>  </assignedEntity>  </author>  <!--医嘱审核者-->  <verifier typeCode="VRF" contextControlCode="OP">  <!--医嘱审核日期时间-->  <time value="20120202030303"/>  <!--签名编码（固定值S）-->  <signatureCode code="S"/>  <!--医嘱审核者签名-->  <signatureText value="王医生"/>  <assignedEntity classCode="ASSIGNED">  <!--医务人员工号-->  <id>  <item root="2.16.156.10011.1.4" extension="120109197706015518"/>  </id>  <assignedPerson classCode="PSN" determinerCode="INSTANCE">  <!--医嘱审核者-->  <name xsi:type="BAG\_EN">  <item>  <part value="王五"/>  </item>  </name>  </assignedPerson>  </assignedEntity>  </verifier>  <component2>  <!--医嘱序号-->  <sequenceNumber value="1"/>  <substanceAdministrationRequest classCode="SBADM" moodCode="RQO">  <!--医嘱ID-->  <id root="2.16.156.10011.1.28" extension="OBS001"/>  <!--医嘱项目类型代码-->  <code code="1" codeSystem="2.16.156.10011.2.3.1.268">  <displayName value="药品类医嘱"/>  </code>  <!--医嘱项目内容-->  <text/>  <!--医嘱状态-->  <statusCode code="active"/>  <!--医嘱有效期间:医嘱开始日期时间/医嘱结束日期时间-->  <effectiveTime xsi:type="QSC\_TS" validTimeLow="20110202030303" validTimeHigh="20110203030303">  <!-- 医嘱执行频率编码/医嘱执行频率名称 -->  <code code="BID" codeSystem="2.16.156.10011.2.5.1.13">  <displayName value="2/日(8am-4pm)"/>  </code>  </effectiveTime>  <!--用药途径 -->  <routeCode code="1" codeSystem="2.16.156.10011.2.3.1.158" codeSystemName="用药途径代码表">  <displayName value="口服"/>  </routeCode>  <!--用药剂量-单次 -->  <doseQuantity value="20" unit="mg"/>  <!--药物使用总剂量 -->  <doseCheckQuantity xsi:type="DSET\_RTO">  <item>  <numerator xsi:type="PQ" unit="g" value="1"/>  <denominator xsi:type="PQ" unit="d" value="1"/>  </item>  </doseCheckQuantity>  <!--药物剂型 -->  <administrationUnitCode code="1" codeSystem="2.16.156.10011.2.3.1.211" codeSystemName="药物剂型代码表">  <displayName value="片剂（素片、压制片），浸膏片，非包衣片"/>  </administrationUnitCode>  <!-- 药物信息 -->  <consumable2 typeCode="CSM">  <manufacturedProduct1 classCode="MANU">  <!-- 包装序号 -->  <id extension="1234"/>  <manufacturedProduct classCode="MMAT" determinerCode="KIND">  <!-- 药物编码 -->  <code code="201056" codeSystem="2.16.156.10011.2.5.1.14"/>  <name xsi:type="BAG\_EN">  <item>  <!--药物名称-->  <part value="葡萄糖酸钙"/>  </item>  </name>  <asContent classCode="CONT">  <quantity/>  <containerPackagedProduct classCode="HOLD" determinerCode="KIND">  <code/>  <formCode/>  <!--药物规格 -->  <capacityQuantity unit="g/片" value="1"/>  </containerPackagedProduct>  </asContent>  </manufacturedProduct>  <!-- 药物所属医保信息 -->  <subjectOf3 typeCode="SBJ">  <policy classCode="POLICY" moodCode="EVN">  <!-- 药物医保类别编码/药物医保类别名称 -->  <code code="01">  <displayName value="甲类"/>  </code>  </policy>  </subjectOf3>  </manufacturedProduct1>  </consumable2>  <location typeCode="LOC">  <serviceDeliveryLocation classCode="DSDLOC">  <location classCode="PLC" determinerCode="INSTANCE">  <!-- 执行科室编码 -->  <id>  <item root="2.16.156.10011.1.26" extension="001"/>  </id>  <!-- 执行科室名称 -->  <name xsi:type="BAG\_EN">  <item>  <part value="呼吸内科"/>  </item>  </name>  </location>  </serviceDeliveryLocation>  </location>  <!-- 父医嘱ID(没有父医嘱可以没有此occurrenceOf节点) -->  <occurrenceOf>  <parentRequestReference classCode="GROUPER">  <id extension="31657457"/>  </parentRequestReference>  </occurrenceOf>  <!--医嘱类别（1 长期医嘱\2 临时医嘱\ 9 其他）-->  <pertinentInformation typeCode="PERT" contextConductionInd="false">  <observation classCode="OBS " moodCode="EVN">  <code code="DE06.00.286.00" codeSystem="2.16.156.10011.2.2.1" codeSystemName="卫生信息数据元目录" />  <!--医嘱类别编码/医嘱类别名称-->  <value xsi:type="CD" code="1" codeSystem="2.16.156.10011.2.3.2.58">  <displayName value="长期医嘱"/>  </value>  </observation>  </pertinentInformation> <component2>  <!-- 领量(给药量)/领量单位(实际发药量由药房发药确定) -->  <supplyRequest classCode="SPLY" moodCode="RQO">  <id/>  <code/>  <statusCode code="active"/>  <!-- 领药量-->  <quantity value="1" unit="胶囊"/>  <!-- 开始时间/停止时间(可以都没有值) -->  <expectedUseTime validTimeLow="201112311010" validTimeHigh=""/>  </supplyRequest>  </component2>  <!--医嘱备注信息-->  <subjectOf6 typeCode="SUBJ" contextConductionInd="false">  <seperatableInd value="false"/>  <annotation>  <!--医嘱备注信息-->  <text value="对下达医嘱的补充说明和注意事项提示"/>  <statusCode code="completed"/>  <author>  <assignedEntity classCode="ASSIGNED"/>  </author>  </annotation>  </subjectOf6>  </substanceAdministrationRequest>  </component2>  <!--就医信息-->  <componentOf1 contextConductionInd="false">  <encounter classCode="ENC" moodCode="EVN">  <id>  <!-- 就诊次数 -->  <item extension="2" root="2.16.156.10011.2.5.1.8"/>  <!-- 就诊流水号 -->  <item extension="123456" root="2.16.156.10011.2.5.1.9"/>  </id>  <!--就诊类别编码-->  <code codeSystem="2.16.156.10011.2.3.1.271" code="01">  <!-- 就诊类别名称 -->  <displayName value="门诊/住院/体检"/>  </code>  <statusCode code="active"/>  <subject typeCode="SBJ">  <patient classCode="PAT">  <id>  <!-- 域ID -->  <item root="2.16.156.10011.2.5.1.5" extension="01"/>  <!--患者ID标识-->  <item root="2.16.156.10011.2.5.1.4" extension="HA201102113366666"/>  <!--门（急）诊号标识 -->  <item root="2.16.156.10011.1.10" extension="E10000000"/>  <!--住院号标识-->  <item root="2.16.156.10011.1.12" extension="HA201102113366666"/>  </id>  <!--患者就医联系电话-->  <telecom xsi:type="BAG\_TEL">  <item value="13578945678"/>  </telecom>  <!--患者角色状态-->  <statusCode code="active"/>  <patientPerson classCode="PSN" determinerCode="INSTANCE">  <!--患者身份证号-->  <id>  <item root="2.16.156.10011.1.3" extension="1234567890"/>  </id>  <name xsi:type="BAG\_EN">  <item>  <part value="王五"/>  </item>  </name>  <!--性别-->  <administrativeGenderCode code="1" codeSystem="2.16.156.10011.2.3.3.4" codeSystemName="生理性别代码表（GB/T 2261.1）">  <displayName value="男性"/>  </administrativeGenderCode>  <!--出生日期-->  <birthTime value="19570323"/>  <asOtherIDs classCode="ROL">  <!--健康档案编号-->  <id>  <item root="2.16.156.10011.1.2" extension="12345678901234567"/>  <!--健康卡号-->  <item root="2.16.156.10011.1.19" extension="1234567890"/>  </id>  <scopingOrganization classCode="ORG " determinerCode="INSTANCE " xsi:nil="true"/>  </asOtherIDs>  </patientPerson>  </patient>  </subject>  <!--住院位置-->  <location typeCode="LOC">  <time/>  <serviceDeliveryLocation classCode="SDLOC">  <location classCode="PLC" determinerCode="INSTANCE">  <!--DE01.00.026.00 病床号-->  <id>  <item root="2.16.156.10011.1.22" extension="001"/>  </id>  <name xsi:type="BAG\_EN">  <item>  <part value="1床"/>  </item>  </name>  <asLocatedEntityPartOf classCode="LOCE">  <location classCode="PLC" determinerCode="INSTANCE">  <!--DE01.00.019.00 病房号-->  <id>  <item root="2.16.156.10011.1.21" extension="001"/>  </id>  <name xsi:type="BAG\_EN">  <item>  <part value="205室"/>  </item>  </name>  </location>  </asLocatedEntityPartOf>  </location>  <serviceProviderOrganization classCode="ORG" determinerCode="INSTANCE">  <!--DE08.10.026.00 科室名称-->  <id>  <item root="2.16.156.10011.1.26" extension="001"/>  </id>  <name xsi:type="BAG\_EN">  <item>  <part value="呼吸内科"/>  </item>  </name>  <asOrganizationPartOf classCode="PART">  <!-- DE08.10.054.00 病区名称 -->  <wholeOrganization classCode="ORG" determinerCode="INSTANCE">  <id>  <item root="2.16.156.10011.1.27" extension="001"/>  </id>  <name xsi:type="BAG\_EN">  <item>  <part value="呼吸科病区"/>  </item>  </name>  </wholeOrganization>  </asOrganizationPartOf>  </serviceProviderOrganization>  </serviceDeliveryLocation>  </location>  </encounter>  </componentOf1>  </placerGroup>  </subject>  </controlActProcess>  </POOR\_IN200901UV> |

* + 1. 医嘱信息新增服务-响应消息（成功）

|  |
| --- |
| <MCCI\_IN000002UV01 ITSVersion="XML\_1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="urn:hl7-org:v3" xsi:schemaLocation="urn:hl7-org:v3 ../multicacheschemas/MCCI\_IN000002UV01.xsd">  <id root="2.16.156.10011.2.5.1.1" extension="@12122"/>  <creationTime value="20170106151903"/>  <interactionId root="2.16.156.10011.2.5.1.2" extension="MCCI\_IN000002UV01"/>  <processingCode code="P"/>  <processingModeCode/>  <acceptAckCode code="AL"/>  <receiver typeCode="RCV">  <device classCode="DEV" determinerCode="INSTANCE">  <id>  <item root="2.16.156.10011.2.5.1.3" extension="@111"/>  </id>  </device>  </receiver>  <sender typeCode="SND">  <device classCode="DEV" determinerCode="INSTANCE">  <id>  <item root="2.16.156.10011.2.5.1.3" extension="@222"/>  </id>  </device>  </sender>  <acknowledgement typeCode="AA">  <!--请求消息ID-->  <targetMessage>  <id root="2.16.156.10011.2.5.1.1" extension="请求的消息ID"/>  </targetMessage>  <acknowledgementDetail>  <text value="处理结果说明"/>  </acknowledgementDetail>  </acknowledgement>  </MCCI\_IN000002UV01> |

* + 1. 医嘱信息新增服务-响应消息（异常）

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| --- |
| <MCCI\_IN000002UV01 ITSVersion="XML\_1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="urn:hl7-org:v3" xsi:schemaLocation="urn:hl7-org:v3 ../multicacheschemas/MCCI\_IN000002UV01.xsd">  <id root="2.16.156.10011.2.5.1.1" extension="@12122"/>  <creationTime value="20170106151903"/>  <interactionId root="2.16.156.10011.2.5.1.2" extension="MCCI\_IN000002UV01"/>  <processingCode code="P"/>  <processingModeCode/>  <acceptAckCode code="AL"/>  <receiver typeCode="RCV">  <device classCode="DEV" determinerCode="INSTANCE">  <id>  <item root="2.16.156.10011.2.5.1.3" extension="@111"/>  </id>  </device>  </receiver>  <sender typeCode="SND">  <device classCode="DEV" determinerCode="INSTANCE">  <id>  <item root="2.16.156.10011.2.5.1.3" extension="@222"/>  </id>  </device>  </sender>  <acknowledgement typeCode="AE">  <!--请求消息ID-->  <targetMessage>  <id root="2.16.156.10011.2.5.1.1" extension="请求的消息ID"/>  </targetMessage>  <acknowledgementDetail>  <text value="处理结果说明"/>  </acknowledgementDetail>  </acknowledgement>  </MCCI\_IN000002UV01> |

* 1. 医嘱信息更新服务
     1. 医嘱信息更新服务-请求消息

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| <POOR\_IN200902UV xmlns="urn:hl7-org:v3" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" ITSVersion="XML\_1.0" xsi:schemaLocation="urn:hl7-org:v3 ../multicacheschemas/POOR\_IN200902UV.xsd">  <!-- 消息流水号 -->  <id root="2.16.156.10011.2.5.1.1" extension="@BS004"/>  <!-- 消息创建时间 -->  <creationTime value="20120106110000"/>  <!-- 消息的服务标识-->  <interactionId root="2.16.156.10011.2.5.1.2" extension="POOR\_IN200902UV"/>  <!--处理代码，标识此消息是否是产品、训练、调试系统的一部分。D：调试；P：产品；T：训练 -->  <processingCode code="P"/>  <!-- 消息处理模式: A(Archive); I(Initial load); R(Restore from archive); T(Current  processing) -->  <processingModeCode/>  <!-- 消息应答: AL(Always); ER(Error/reject only); NE(Never) -->  <acceptAckCode code="AL"/>  <!-- 接受者 -->  <receiver typeCode="RCV">  <device classCode="DEV" determinerCode="INSTANCE">  <!-- 接受者ID -->  <id>  <item root="2.16.156.10011.2.5.1.3" extension="@111"/>  </id>  </device>  </receiver>  <!-- 发送者 -->  <sender typeCode="SND">  <device classCode="DEV" determinerCode="INSTANCE">  <!-- 发送者ID -->  <id>  <item root="2.16.156.10011.2.5.1.3" extension="@222"/>  </id>  </device>  </sender>  <controlActProcess classCode="CACT" moodCode="EVN">  <subject typeCode="SUBJ">  <placerGroup classCode="GROUPER" moodCode="RQO">  <!--医嘱开立者-->  <author typeCode="AUT" contextControlCode="OP">  <!--医嘱开立日期时间-->  <time value="20120202030303"/>  <!--签名编码（固定值S）-->  <signatureCode code="S"/>  <!--医嘱开立者签名-->  <signatureText value="李医生"/>  <assignedEntity classCode="ASSIGNED">  <!--医务人员工号-->  <id>  <item root="2.16.156.10011.1.4" extension="120109197706015518"/>  </id>  <assignedPerson classCode="PSN" determinerCode="INSTANCE">  <!--医嘱开立者-->  <name xsi:type="BAG\_EN">  <item>  <part value="李医生"/>  </item>  </name>  </assignedPerson>  <representedOrganization classCode="ORG" determinerCode="INSTANCE">  <!--医疗卫生机构（科室）ID-->  <id>  <item root="2.16.156.10011.1.26" extension="1234567890"/>  </id>  <!--医嘱开立科室-->  <name xsi:type="BAG\_EN">  <item>  <part value="呼吸内科"/>  </item>  </name>  </representedOrganization>  </assignedEntity>  </author>  <!--医嘱审核者-->  <verifier typeCode="VRF" contextControlCode="OP">  <!--医嘱审核日期时间-->  <time value="20120202030303"/>  <!--签名编码（固定值S）-->  <signatureCode code="S"/>  <!--医嘱审核者签名-->  <signatureText value="王医生"/>  <assignedEntity classCode="ASSIGNED">  <!--医务人员工号-->  <id>  <item root="2.16.156.10011.1.4" extension="120109197706015518"/>  </id>  <assignedPerson classCode="PSN" determinerCode="INSTANCE">  <!--医嘱审核者-->  <name xsi:type="BAG\_EN">  <item>  <part value="王五"/>  </item>  </name>  </assignedPerson>  </assignedEntity>  </verifier>  <component2>  <!--医嘱序号-->  <sequenceNumber value="1"/>  <substanceAdministrationRequest classCode="SBADM" moodCode="RQO">  <!--医嘱ID-->  <id root="2.16.156.10011.1.28" extension="OBS001"/>  <!--医嘱项目类型代码-->  <code code="1" codeSystem="2.16.156.10011.2.3.1.268">  <displayName value="药品类医嘱"/>  </code>  <!--医嘱项目内容-->  <text/>  <!--医嘱状态-->  <statusCode code="active"/>  <!--医嘱有效期间:医嘱开始日期时间/医嘱结束日期时间-->  <effectiveTime xsi:type="QSC\_TS" validTimeLow="20110202030303" validTimeHigh="20110203030303">  <!-- 医嘱执行频率编码/医嘱执行频率名称 -->  <code code="BID" codeSystem="2.16.156.10011.2.5.1.13">  <displayName value="2/日(8am-4pm)"/>  </code>  </effectiveTime>  <routeCode code="1" codeSystem="2.16.156.10011.2.3.1.158" codeSystemName="用药途径代码表">  <displayName value="口服"/>  </routeCode>  <!--用药剂量-单次 -->  <doseQuantity value="20" unit="mg"/>  <!--药物使用总剂量 -->  <doseCheckQuantity xsi:type="DSET\_RTO">  <item>  <numerator xsi:type="PQ" unit="g" value="1"/>  <denominator xsi:type="PQ" unit="d" value="1"/>  </item>  </doseCheckQuantity>  <!--药物剂型 -->  <administrationUnitCode code="1" codeSystem="2.16.156.10011.2.3.1.211" codeSystemName="药物剂型代码表">  <displayName value="片剂（素片、压制片），浸膏片，非包衣片"/>  </administrationUnitCode>  <!-- 药物信息 -->  <consumable2 typeCode="CSM">  <manufacturedProduct1 classCode="MANU">  <!-- 包装序号 -->  <id extension="1234"/>  <manufacturedProduct classCode="MMAT" determinerCode="KIND">  <!-- 药物编码 -->  <code code="201056" codeSystem="2.16.156.10011.2.5.1.14"/>  <name xsi:type="BAG\_EN">  <item>  <!--药物名称-->  <part value="葡萄糖酸钙"/>  </item>  </name>  <asContent classCode="CONT">  <quantity/>  <containerPackagedProduct classCode="HOLD" determinerCode="KIND">  <code/>  <formCode/>  <!--药物规格 -->  <capacityQuantity unit="g/片" value="1"/>  </containerPackagedProduct>  </asContent>  </manufacturedProduct>  <!-- 药物所属医保信息 -->  <subjectOf3 typeCode="SBJ">  <policy classCode="POLICY" moodCode="EVN">  <!-- 药物医保类别编码/药物医保类别名称 -->  <code code="01">  <displayName value="甲类"/>  </code>  </policy>  </subjectOf3>  </manufacturedProduct1>  </consumable2>  <location typeCode="LOC">  <serviceDeliveryLocation classCode="DSDLOC">  <location classCode="PLC" determinerCode="INSTANCE">  <!-- 执行科室编码 -->  <id>  <item root="2.16.156.10011.1.26" extension="001"/>  </id>  <!-- 执行科室名称 -->  <name xsi:type="BAG\_EN">  <item>  <part value="呼吸内科"/>  </item>  </name>  </location>  </serviceDeliveryLocation>  </location>  <!-- 父医嘱ID(没有父医嘱可以没有此occurrenceOf节点) -->  <occurrenceOf>  <parentRequestReference classCode="GROUPER">  <id extension="31657457"/>  </parentRequestReference>  </occurrenceOf>  <!--医嘱类别（1 长期医嘱\2 临时医嘱\ 9 其他）-->  <pertinentInformation typeCode="PERT" contextConductionInd="false">  <observation classCode="OBS " moodCode="EVN">  <code code="DE06.00.286.00" codeSystem="2.16.156.10011.2.2.1" codeSystemName="卫生信息数据元目录" />  <!--医嘱类别编码/医嘱类别名称-->  <value xsi:type="CD" code="1" codeSystem="2.16.156.10011.2.3.2.58">  <displayName value="长期医嘱"/>  </value>  </observation>  </pertinentInformation> <component2>  <!-- 领量(给药量)/领量单位(实际发药量由药房发药确定) -->  <supplyRequest classCode="SPLY" moodCode="RQO">  <id/>  <code/>  <statusCode code="active"/>  <!-- 草药时对应付数-->  <quantity value="1" unit="胶囊"/>  <!-- 开始时间/停止时间(可以都没有值) -->  <expectedUseTime validTimeLow="201112311010" validTimeHigh=""/>  </supplyRequest>  </component2>  <!--医嘱备注信息-->  <subjectOf6 typeCode="SUBJ" contextConductionInd="false">  <seperatableInd value="false"/>  <annotation>  <!--医嘱备注信息-->  <text value="对下达医嘱的补充说明和注意事项提示"/>  <statusCode code="completed"/>  <author>  <assignedEntity classCode="ASSIGNED"/>  </author>  </annotation>  </subjectOf6>  </substanceAdministrationRequest>  </component2>  <!--就医信息-->  <componentOf1 contextConductionInd="false">  <encounter classCode="ENC" moodCode="EVN">  <id>  <!-- 就诊次数 -->  <item extension="2" root="2.16.156.10011.2.5.1.8"/>  <!-- 就诊流水号 -->  <item extension="123456" root="2.16.156.10011.2.5.1.9"/>  </id>  <!--就诊类别编码-->  <code codeSystem="1.2.156.112635.1.1.80" code="01">  <!-- 就诊类别名称 -->  <displayName value="门诊/住院/体检"/>  </code>  <statusCode code="active"/>  <subject typeCode="SBJ">  <patient classCode="PAT">  <id>  <!-- 域ID -->  <item root="2.16.156.10011.2.5.1.5" extension="01"/>  <!--患者ID标识-->  <item root="2.16.156.10011.2.5.1.4" extension="HA201102113366666"/>  <!--门（急）诊号标识 -->  <item root="2.16.156.10011.1.10" extension="E10000000"/>  <!--住院号标识-->  <item root="2.16.156.10011.1.12" extension="HA201102113366666"/>  </id>  <!--患者就医联系电话-->  <telecom xsi:type="BAG\_TEL">  <item value="13578945678"/>  </telecom>  <!--患者角色状态-->  <statusCode code="active"/>  <patientPerson classCode="PSN" determinerCode="INSTANCE">  <!--患者身份证号-->  <id>  <item root="2.16.156.10011.1.3" extension="1234567890"/>  </id>  <name xsi:type="BAG\_EN">  <item>  <part value="王五"/>  </item>  </name>  <!--性别-->  <administrativeGenderCode code="1" codeSystem="2.16.156.10011.2.3.3.4" codeSystemName="生理性别代码表（GB/T 2261.1）">  <displayName value="男性"/>  </administrativeGenderCode>  <!--出生日期-->  <birthTime value="19570323"/>  <asOtherIDs classCode="ROL">  <!--健康档案编号-->  <id>  <item root="2.16.156.10011.1.2" extension="12345678901234567"/>  <!--健康卡号-->  <item root="2.16.156.10011.1.19" extension="1234567890"/>  </id>  <scopingOrganization classCode="ORG " determinerCode="INSTANCE " xsi:nil="true"/>  </asOtherIDs>  </patientPerson>  </patient>  </subject>  <!--住院位置-->  <location typeCode="LOC">  <time/>  <serviceDeliveryLocation classCode="SDLOC">  <location classCode="PLC" determinerCode="INSTANCE">  <!--DE01.00.026.00 病床号-->  <id>  <item root="2.16.156.10011.1.22" extension="001"/>  </id>  <name xsi:type="BAG\_EN">  <item>  <part value="1床"/>  </item>  </name>  <asLocatedEntityPartOf classCode="LOCE">  <location classCode="PLC" determinerCode="INSTANCE">  <!--DE01.00.019.00 病房号-->  <id>  <item root="2.16.156.10011.1.21" extension="001"/>  </id>  <name xsi:type="BAG\_EN">  <item>  <part value="205室"/>  </item>  </name>  </location>  </asLocatedEntityPartOf>  </location>  <serviceProviderOrganization classCode="ORG" determinerCode="INSTANCE">  <!--DE08.10.026.00 科室名称-->  <id>  <item root="2.16.156.10011.1.26" extension="001"/>  </id>  <name xsi:type="BAG\_EN">  <item>  <part value="呼吸内科"/>  </item>  </name>  <asOrganizationPartOf classCode="PART">  <!-- DE08.10.054.00 病区名称 -->  <wholeOrganization classCode="ORG" determinerCode="INSTANCE">  <id>  <item root="2.16.156.10011.1.27" extension="001"/>  </id>  <name xsi:type="BAG\_EN">  <item>  <part value="呼吸科病区"/>  </item>  </name>  </wholeOrganization>  </asOrganizationPartOf>  </serviceProviderOrganization>  </serviceDeliveryLocation>  </location>  </encounter>  </componentOf1>  </placerGroup>  </subject>  </controlActProcess>  </POOR\_IN200902UV> |

* + 1. 医嘱信息更新服务-响应消息（成功）

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| <MCCI\_IN000002UV01 ITSVersion="XML\_1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="urn:hl7-org:v3" xsi:schemaLocation="urn:hl7-org:v3 ../multicacheschemas/MCCI\_IN000002UV01.xsd">  <id root="2.16.156.10011.2.5.1.1" extension="@12122"/>  <creationTime value="20170106151903"/>  <interactionId root="2.16.156.10011.2.5.1.2" extension="MCCI\_IN000002UV01"/>  <processingCode code="P"/>  <processingModeCode/>  <acceptAckCode code="AL"/>  <receiver typeCode="RCV">  <device classCode="DEV" determinerCode="INSTANCE">  <id>  <item root="2.16.156.10011.2.5.1.3" extension="@111"/>  </id>  </device>  </receiver>  <sender typeCode="SND">  <device classCode="DEV" determinerCode="INSTANCE">  <id>  <item root="2.16.156.10011.2.5.1.3" extension="@222"/>  </id>  </device>  </sender>  <acknowledgement typeCode="AA">  <!--请求消息ID-->  <targetMessage>  <id root="2.16.156.10011.2.5.1.1" extension="请求的消息ID"/>  </targetMessage>  <acknowledgementDetail>  <text value="处理结果说明"/>  </acknowledgementDetail>  </acknowledgement>  </MCCI\_IN000002UV01> |

* + 1. 医嘱信息更新服务-响应消息（异常）

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| <MCCI\_IN000002UV01 ITSVersion="XML\_1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="urn:hl7-org:v3" xsi:schemaLocation="urn:hl7-org:v3 ../multicacheschemas/MCCI\_IN000002UV01.xsd">  <id root="2.16.156.10011.2.5.1.1" extension="@12122"/>  <creationTime value="20170106151903"/>  <interactionId root="2.16.156.10011.2.5.1.2" extension="MCCI\_IN000002UV01"/>  <processingCode code="P"/>  <processingModeCode/>  <acceptAckCode code="AL"/>  <receiver typeCode="RCV">  <device classCode="DEV" determinerCode="INSTANCE">  <id>  <item root="2.16.156.10011.2.5.1.3" extension="@111"/>  </id>  </device>  </receiver>  <sender typeCode="SND">  <device classCode="DEV" determinerCode="INSTANCE">  <id>  <item root="2.16.156.10011.2.5.1.3" extension="@222"/>  </id>  </device>  </sender>  <acknowledgement typeCode="AE">  <!--请求消息ID-->  <targetMessage>  <id root="2.16.156.10011.2.5.1.1" extension="请求的消息ID"/>  </targetMessage>  <acknowledgementDetail>  <text value="处理结果说明"/>  </acknowledgementDetail>  </acknowledgement>  </MCCI\_IN000002UV01> |

* 1. 医嘱信息查询服务
     1. 医嘱信息查询服务-请求消息

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| <QUMT\_IN020030UV01 ITSVersion="XML\_1.0" xmlns="urn:hl7-org:v3" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:hl7-org:v3 ../multicacheschemas/QUMT\_IN020030UV01.xsd">  <!-- 消息流水号 -->  <id root="2.16.156.10011.2.5.1.1" extension="@BS004"/>  <!-- 消息创建时间 -->  <creationTime value="20120106110000"/>  <!-- 消息的服务标识-->  <interactionId root="2.16.156.10011.2.5.1.2" extension="QUMT\_IN020030UV01"/>  <!--处理代码，标识此消息是否是产品、训练、调试系统的一部分。D：调试；P：产品；T：训练 -->  <processingCode code="P"/>  <!-- 消息处理模式: A(Archive); I(Initial load); R(Restore from archive); T(Current  processing) -->  <processingModeCode/>  <!-- 消息应答: AL(Always); ER(Error/reject only); NE(Never) -->  <acceptAckCode code="AL"/>  <!-- 接受者 -->  <receiver typeCode="RCV">  <device classCode="DEV" determinerCode="INSTANCE">  <!-- 接受者ID -->  <id>  <item root="2.16.156.10011.2.5.1.3" extension="@111"/>  </id>  </device>  </receiver>  <!-- 发送者 -->  <sender typeCode="SND">  <device classCode="DEV" determinerCode="INSTANCE">  <!-- 发送者ID -->  <id>  <item root="2.16.156.10011.2.5.1.3" extension="@222"/>  </id>  </device>  </sender>  <!-- 封装的消息内容 -->  <controlActProcess classCode="CACT" moodCode="EVN">  <queryByParameter>  <statusCode code="new"/>  <queryByParameterPayload>  <statusCode code="new"/>  <!--申请单ID-->  <actId>  <value>  <!--医嘱号 必须项 -->  <item extension="100023925522" root="2.16.156.10011.1.28"/>  </value>  <semanticsText value="Act.ID"/>  </actId>  <!--医嘱开立者ID(医务人员工号)-->  <authorId>  <value>  <item extension="100023925522" root="2.16.156.10011.1.4"/>  </value>  <semanticsText value="author.Entity.ID"/>  </authorId>  <!--医嘱有效期间-->  <effectiveTime>  <value>  <low value="20130303040404"/>  <high value="20130303050505"/>  </value>  <semanticsText value="EffectiveTime"/>  </effectiveTime>  <!--患者ID-->  <patientId>  <value>  <item extension="12345678901w" root="2.16.156.10011.2.5.1.4"/>  </value>  <semanticsText value="recordTarget.Patient.ID"/>  </patientId>  </queryByParameterPayload>  </queryByParameter>  </controlActProcess>  </QUMT\_IN020030UV01> |

* + 1. 医嘱信息查询服务-响应消息（成功）

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| <QUMT\_IN020040UV01 xmlns="urn:hl7-org:v3" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" ITSVersion="XML\_1.0" xsi:schemaLocation=" urn:hl7-org:v3 ../multicacheschemas/QUMT\_IN020040UV01.xsd">  <id root="2.16.156.10011.2.5.1.1" extension="@BS004"/>  <creationTime value="20130116112855"/>  <interactionId root="2.16.156.10011.2.5.1.2" extension="QUMT\_IN020040PL"/>  <processingCode code="P"/>  <processingModeCode code="I"/>  <acceptAckCode code="AL"/>  <receiver typeCode="RCV">  <device classCode="DEV" determinerCode="INSTANCE">  <id>  <item root="2.16.156.10011.2.5.1.3" extension="2.16.156.10011.0.1.1"/>  </id>  </device>  </receiver>  <sender typeCode="SND">  <device classCode="DEV" determinerCode="INSTANCE">  <id>  <item root="2.16.156.10011.2.5.1.3" extension="2.16.156.10011.0.1.2"/>  </id>  </device>  </sender>  <acknowledgement typeCode="AA">  <targetMessage>  <id root="2.16.156.10011.2.5.1.1" extension="1ee83ff1-08ab-4fe7-b573-ea777e9bad51"/>  </targetMessage>  <acknowledgementDetail>  <text value="处理结果说明"/>  </acknowledgementDetail>  </acknowledgement>  <controlActProcess classCode="CACT" moodCode="EVN">  <subject typeCode="SUBJ">  <placerGroup classCode="GROUPER" moodCode="RQO">  <!--医嘱开立者-->  <author typeCode="AUT" contextControlCode="OP">  <!--医嘱开立日期时间-->  <time value="20120202030303"/>  <signatureCode code="S"/>  <!--医嘱开立者签名-->  <signatureText value="李医生"/>  <assignedEntity classCode="ASSIGNED">  <!--医务人员工号-->  <id>  <item root="2.16.156.10011.1.4" extension="120109197706015518"/>  </id>  <assignedPerson classCode="PSN" determinerCode="INSTANCE">  <!--医嘱开立者-->  <name xsi:type="BAG\_EN">  <item>  <part value="李医生"/>  </item>  </name>  </assignedPerson>  <representedOrganization classCode="ORG" determinerCode="INSTANCE">  <!--医疗卫生机构（科室）ID-->  <id>  <item root="2.16.156.10011.1.26" extension="1234567890"/>  </id>  <!--医嘱开立科室-->  <name xsi:type="BAG\_EN">  <item>  <part value="呼吸内科"/>  </item>  </name>  </representedOrganization>  </assignedEntity>  </author>  <!--医嘱审核者-->  <verifier typeCode="VRF" contextControlCode="OP">  <!--医嘱审核日期时间-->  <time value="20120202030303"/>  <!--签名编码（固定值S）-->  <signatureCode code="S"/>  <!--医嘱审核者签名-->  <signatureText value="王医生"/>  <assignedEntity classCode="ASSIGNED">  <!--医务人员工号-->  <id>  <item root="2.16.156.10011.1.4" extension="120109197706015518"/>  </id>  <assignedPerson classCode="PSN" determinerCode="INSTANCE">  <!--医嘱审核者-->  <name xsi:type="BAG\_EN">  <item>  <part value="王五"/>  </item>  </name>  </assignedPerson>  </assignedEntity>  </verifier>  <component2>  <!--医嘱序号-->  <sequenceNumber value="1"/>  <substanceAdministrationRequest classCode="SBADM" moodCode="RQO">  <!--医嘱ID-->  <id root="2.16.156.10011.1.28" extension="OBS001"/>  <!--医嘱项目类型代码-->  <code code="01" codeSystem="2.16.156.10011.2.3.1.268" codeSystemName="医嘱项目类型代码表">  <displayName value="药品类医嘱"/>  </code>  <!--医嘱项目内容-->  <text value="11"></text>  <!--医嘱状态-->  <statusCode code="active"/>  <!--医嘱有效期间:医嘱开始日期时间/医嘱结束日期时间-->  <effectiveTime xsi:type="QSC\_TS" validTimeLow="20110202030303" validTimeHigh="20110203030303">  <!-- 医嘱执行频率编码/医嘱执行频率名称 -->  <code code="10" codeSystem="2.16.156.10011.2.3.1.267" codeSystemName="药物使用频次代码表">  <displayName value="qid"/>  </code>  </effectiveTime>  <!--用药途径 -->  <routeCode code="1" codeSystem="2.16.156.10011.2.3.1.158" codeSystemName="用药途径代码表">  <displayName value="口服"/>  </routeCode>  <!--用药剂量-单次 -->  <doseQuantity value="20" unit="mg"/>  <!--药物使用总剂量 -->  <doseCheckQuantity xsi:type="DSET\_RTO">  <item>  <numerator xsi:type="PQ" unit="g" value="1"/>  <denominator xsi:type="PQ" unit="d" value="1"/>  </item>  </doseCheckQuantity>  <!--药物剂型 -->  <administrationUnitCode code="01" codeSystem="2.16.156.10011.2.3.1.211" codeSystemName="药物剂型代码表">  <displayName value="片剂(素片、压制片),浸膏片,非包衣片"/>  </administrationUnitCode>  <!-- 药物信息 -->  <consumable2 typeCode="CSM">  <manufacturedProduct1 classCode="MANU">  <!-- 包装序号 -->  <id extension="1234"/>  <manufacturedProduct classCode="MMAT" determinerCode="KIND">  <!-- 药物编码 -->  <code code="201056" codeSystem="2.16.156.10011.2.5.1.14"/>  <name xsi:type="BAG\_EN">  <item>  <!--药物名称-->  <part value="葡萄糖酸钙"/>  </item>  </name>  <asContent classCode="CONT">  <quantity/>  <containerPackagedProduct classCode="HOLD" determinerCode="KIND">  <code/>  <formCode/>  <!--药物规格 -->  <capacityQuantity unit="g/片" value="1"/>  </containerPackagedProduct>  </asContent>  </manufacturedProduct>  <!-- 药物所属医保信息 -->  <subjectOf3 typeCode="SBJ">  <policy classCode="POLICY" moodCode="EVN">  <!-- 药物医保类别编码/药物医保类别名称-->  <code code="01">  <displayName value="甲类"/>  </code>  </policy>  </subjectOf3>  </manufacturedProduct1>  </consumable2>  <location typeCode="LOC">  <serviceDeliveryLocation classCode="DSDLOC">  <location classCode="PLC" determinerCode="INSTANCE">  <!-- 执行科室编码 -->  <id>  <item root="2.16.156.10011.1.26" extension="001"/>  </id>  <!-- 执行科室名称 -->  <name xsi:type="BAG\_EN">  <item>  <part value="呼吸内科"/>  </item>  </name>  </location>  </serviceDeliveryLocation>  </location>  <!-- 父医嘱ID(没有父医嘱可以没有此occurrenceOf节点) -->  <occurrenceOf>  <parentRequestReference classCode="GROUPER">  <id extension="31657457"/>  </parentRequestReference>  </occurrenceOf>  <!--医嘱类别（1 长期医嘱\2 临时医嘱\ 9 其他）-->  <pertinentInformation typeCode="PERT" contextConductionInd="false">  <observation classCode="OBS " moodCode="EVN">  <code code="DE06.00.286.00" codeSystem="2.16.156.10011.2.2.1" codeSystemName="卫生信息数据元目录"/>  <!--医嘱类别编码/医嘱类别名称-->  <value xsi:type="CD" code="1" codeSystem="2.16.156.10011.2.3.2.58" codeSystemName="医嘱类别代码表">  <displayName value="长期医嘱"/>  </value>  </observation>  </pertinentInformation>  <component2>  <!-- 领量(给药量)/领量单位(实际发药量由药房发药确定) -->  <supplyRequest classCode="SPLY" moodCode="RQO">  <id/>  <code/>  <statusCode code="active"/>  <!-- 领药量-->  <quantity value="1" unit="胶囊"/>  <!-- 开始时间/停止时间(可以都没有值) -->  <expectedUseTime validTimeLow="201112311010" validTimeHigh=""/>  </supplyRequest>  </component2>  <!--医嘱备注信息-->  <subjectOf6 typeCode="SUBJ" contextConductionInd="false">  <seperatableInd value="false"/>  <annotation>  <!--医嘱备注信息-->  <text value="对下达医嘱的补充说明和注意事项提示"/>  <statusCode code="completed"/>  <author>  <assignedEntity classCode="ASSIGNED"/>  </author>  </annotation>  </subjectOf6>  </substanceAdministrationRequest>  </component2>  <!--就医信息-->  <componentOf1 contextConductionInd="false">  <encounter classCode="ENC" moodCode="EVN">  <id>  <!-- 就诊次数 -->  <item extension="2" root="2.16.156.10011.2.5.1.8"/>  <!-- 就诊流水号 -->  <item extension="123456" root="2.16.156.10011.2.5.1.9"/>  </id>  <!--就诊类别编码-->  <code code="3" codeSystem="2.16.156.10011.2.3.1.271" codeSystemName="患者类型代码表">  <displayName value="住院"/>  </code>  <statusCode code="active"/>  <subject typeCode="SBJ">  <patient classCode="PAT">  <id>  <!-- 域ID -->  <item root="2.16.156.10011.2.5.1.5" extension="01"/>  <!--患者ID标识-->  <item root="2.16.156.10011.2.5.1.4" extension="HA201102113366666"/>  <!--门（急）诊号标识 -->  <item root="2.16.156.10011.1.10" extension="E10000000"/>  <!--住院号标识-->  <item root="2.16.156.10011.1.12" extension="HA201102113366666"/>  </id>  <!--患者就医联系电话-->  <telecom xsi:type="BAG\_TEL">  <item value="13578945678"/>  </telecom>  <!--患者角色状态-->  <statusCode code="active"/>  <patientPerson classCode="PSN" determinerCode="INSTANCE">  <!--患者身份证号-->  <id>  <item root="2.16.156.10011.1.3" extension="1234567890"/>  </id>  <name xsi:type="BAG\_EN">  <item>  <part value="王五"/>  </item>  </name>  <!--性别-->  <administrativeGenderCode code="1" codeSystem="2.16.156.10011.2.3.3.4" codeSystemName="生理性别代码表(GB/T 2261.1)">  <displayName value="男性"/>  </administrativeGenderCode>  <!--出生日期-->  <birthTime value="19570323"/>  <asOtherIDs classCode="ROL">  <!--健康档案编号-->  <id>  <item root="2.16.156.10011.1.2" extension="12345678901234567"/>  <!--健康卡号-->  <item root="2.16.156.10011.1.19" extension="1234567890"/>  </id>  <scopingOrganization classCode="ORG " determinerCode="INSTANCE " xsi:nil="true"/>  </asOtherIDs>  </patientPerson>  </patient>  </subject>  <!--住院位置-->  <location typeCode="LOC">  <time/>  <serviceDeliveryLocation classCode="SDLOC">  <location classCode="PLC" determinerCode="INSTANCE">  <!--DE01.00.026.00 病床号-->  <id>  <item root="2.16.156.10011.1.22" extension="001"/>  </id>  <name xsi:type="BAG\_EN">  <item>  <part value="1床"/>  </item>  </name>  <asLocatedEntityPartOf classCode="LOCE">  <location classCode="PLC" determinerCode="INSTANCE">  <!--DE01.00.019.00 病房号-->  <id>  <item root="2.16.156.10011.1.21" extension="001"/>  </id>  <name xsi:type="BAG\_EN">  <item>  <part value="205室"/>  </item>  </name>  </location>  </asLocatedEntityPartOf>  </location>  <serviceProviderOrganization classCode="ORG" determinerCode="INSTANCE">  <!--DE08.10.026.00 科室名称-->  <id>  <item root="2.16.156.10011.1.26" extension="001"/>  </id>  <name xsi:type="BAG\_EN">  <item>  <part value="呼吸内科"/>  </item>  </name>  <asOrganizationPartOf classCode="PART">  <!-- DE08.10.054.00 病区名称 -->  <wholeOrganization classCode="ORG" determinerCode="INSTANCE">  <id>  <item root="2.16.156.10011.1.27" extension="001"/>  </id>  <name xsi:type="BAG\_EN">  <item>  <part value="呼吸科病区"/>  </item>  </name>  </wholeOrganization>  </asOrganizationPartOf>  </serviceProviderOrganization>  </serviceDeliveryLocation>  </location>  </encounter>  </componentOf1>  </placerGroup>  </subject>  <queryAck>  <queryResponseCode code="OK"/>  </queryAck>  </controlActProcess>  </QUMT\_IN020040UV01> |

* + 1. 医嘱信息查询服务-响应消息（异常）

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| --- |
| <QUMT\_IN020040UV01 xmlns="urn:hl7-org:v3" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" ITSVersion="XML\_1.0" xsi:schemaLocation="urn:hl7-org:v3 ../multicacheschemas/QUMT\_IN020040UV01.xsd">  <!-- 消息流水号 -->  <id root="2.16.156.10011.2.5.1.1" extension="@BS004"/>  <!-- 消息创建时间 -->  <creationTime value="20120106110000"/>  <!-- 消息的服务标识-->  <interactionId root="2.16.156.10011.2.5.1.2" extension="QUMT\_IN020040UV01"/>  <!--处理代码，标识此消息是否是产品、训练、调试系统的一部分。D：调试；P：产品；T：训练 -->  <processingCode code="P"/>  <!-- 消息处理模式: A(Archive); I(Initial load); R(Restore from archive); T(Current  processing) -->  <processingModeCode/>  <!-- 消息应答: AL(Always); ER(Error/reject only); NE(Never) -->  <acceptAckCode code="AL" />  <!-- 接收者 -->  <receiver typeCode="RCV">  <device classCode="DEV" determinerCode="INSTANCE">  <!-- 接受者ID -->  <id>  <item root="2.16.156.10011.2.5.1.3" extension="@111"/>  </id>  </device>  </receiver>  <!-- 发送者 -->  <sender typeCode="SND">  <device classCode="DEV" determinerCode="INSTANCE">  <!-- 发送者ID -->  <id>  <item root="2.16.156.10011.2.5.1.3" extension="@222"/>  </id>  </device>  </sender>  <!--typeCode为处理结果，AA表示成功 AE表示失败-->  <acknowledgement typeCode="AE">  <targetMessage>  <id root="2.16.156.10011.2.5.1.1" extension="1ee83ff1-08ab-4fe7-b573-ea777e9bad51"/>  </targetMessage>  <acknowledgementDetail>  <text value="处理结果说明"/>  </acknowledgementDetail>  </acknowledgement>  <controlActProcess classCode="CACT" moodCode="APT">  <queryAck>  <queryResponseCode code="OK"/>  </queryAck>  </controlActProcess>  </QUMT\_IN020040UV01> |

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