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Fresenius Medical Care

HIS-SAP Interface Specification

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# Introduction

## Purpose

This document describes business processes between HIS and SAP, and data exchange specification.

## Scope

This document is intended for developers, testers and system analysts on HIS and SAP.

## Notice

The document is the development basis for HIS-SAP interface project, Any subsequent changes must be versioned for this document.

## Terms, Definitions, Abbreviations

|  |  |  |
| --- | --- | --- |
| Term / Abbreviation | Unabbreviated Name | Description |
| HIS | Hospital information system |  |
|  |  |  |

## Reference Documents

|  |  |  |  |
| --- | --- | --- | --- |
| Document ID | Document Name | Author | Description |
|  | inSITE\_FS-I\_25-021\_CN\_V1\_HIS\_ERP\_interfaces\_1106\_EL.docx |  |  |
|  | inSITE\_FS-I\_10-044\_CN\_V1\_Hospital\_Information\_System\_interface\_1031\_EL.docx |  |  |
|  | inSITE\_FS-I\_95-044\_CN\_A1\_Vendor Master interface with HIS Idoc Outbound Interface.xlsx |  |  |
|  | inSITE\_FS-I\_95-044\_CN\_V1\_HIS Vendor Master Distribution.docx |  |  |
|  | inSITE\_FS-E\_95-043\_CN\_V1\_HIS Material Master Distribution.docx |  |  |
|  | inSITE\_FS-I\_95-043\_CN\_A1\_Material Master interface with HIS Idoc Outbound Interface.xlsx |  |  |
|  | SC meeting slide-T2R Interface.pptx |  |  |

# General Description

## Interface and Message Format

SAP and HIS provide Web Service interface with XML data.



XML data framework:

<XML>

<Head>

<InterfaceCode>H-S-XXX</InterfaceCode>

<ReqTime>XXXX-MM-DD hh:mi:ss</ReqTime>

</Head>

<Body>

{ message content here … }

</Body>

</XML>

## Common conventions

Common conventions for all interface.

|  |  |
| --- | --- |
| Item | Description |
| Encoding | UTF-8 |
| Data type - Date | Send as String  Format:  YYYY-MM-DD  YYYY-MM-DD hh:mi:ss (24-hour format) |
| Data type - Boolean | 1. No 2. Yes |

# Interface Description

## Vendor Master (H-S-001)

### Functional Description

Request: SAP

Response: HIS

Frequency: Daily

1. SAP summarizing manufacture/vendor data daily, send to HIS.
2. Use vendor unique identity number in SAP in all interface.
3. Vendor Type (Manufacturer, Supplier, or Both) need to be distinguished by field name “VendorType”.

### Data Flow Diagram



### Fields Description

#### Request

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Field Type(Length)** | **HIS Required** | **SAP Field** | **Description** |
| <Items> | | | | Array start |
| VendorNo | String(50) | Y |  | Unique identification of vendor in SAP |
| VendorType | String(2) | Y |  | 1. Manufacture生产厂家 2. Supplier供货商   Sample:  1 for Manufacture, 2 for Supplier, 12 for Manufacture and Supplier |
| ServiceScope | String(3) | Y |  | 1. Drug药品 2. Material物资 3. Assets资产   Sample:  1 for Drug, 2 for Material, 3 for Asset, 12 for Drug & Material, 123 for Drug & Material & Asset |
| VendorName | String(200) | Y |  | Vendor name |
| TaxNo | String(50) | Y |  | Tax code  税号 |
| LicenseNo | String(50) |  |  | Registration License number |
| LicenseName | String(200) |  |  | Registration License name  Sample：  中华人民共和国医疗器械注册证 |
| LicenseEffDate | String(10) |  |  | License Effective Date |
| LicenseExpDate | String(10) |  |  | License Expire Date |
| GSPCerNo | String(50) |  |  | GSP certification number |
| GSPCerEffDate | String(10) |  |  | GSP certification Effective Date |
| GSPCerExpDate | String(10) |  |  | GSP certification Expire Date |
| StopFlag | String(1) | Y |  | 1. out of service 停用 2. normal 正常   Default 1 |
| </Items> | | | | Array end |

#### Response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Field Type** | **Required** | **SAP Field** | **Description** |
| Success | Boolean | Y |  | true or false |
| ErrCode | String(3) |  |  | Error code |
| ErrMsg | String(100) |  |  | Error message |

## Material Master (H-S-002)

### Functional Description

Request: SAP

Response: HIS

Frequency: Daily

1. SAP summarize material master data daily send to HIS.
2. Use material unique identity number in SAP in all interface.
3. The batch master in P11 will be replicated to clinical system via the SAP PI system. This interface will send only changed data and will also provide a function to execute a initial replication of all relevant existing batches.
4. This interface will be triggered (Push) by SAP P11 system. The frequency will be set at once a day but can be changed afterwards.
5. The data will be modify/mapping based on unique identification code after HIS synchronized data from SAP.
6. The synchronizing field which from SAP to HIS can not be modified.
7. The field mark in blue maybe not existing in SAP system, these information can be maintained in HIS system.

### Data Flow Diagram



### Fields Description

#### Request

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field Name** | **Field Type** | **Required** | **Scope** | **SAP Field** | **Description** |
| <Items> | | | | | Array start |
| MaterialNo | String(50) | Y | D&M |  | Unique identification of material in SAP |
| MaterialType | String(1) | Y | D&M |  | 1. Drug药品 2. Material物资 |
| CommonName | String(200) | Y | D&M |  | Common Name  通用名 |
| ProductName | String(200) |  | D&M |  | Product Name  商品名 |
| Barcode | String(100) | Y | D&M |  | Barcode  条码 |
| MfrNo | String(50) | Y | D&M |  | Manufacturer number  Vendor number from vendor master  生产厂商ID，来自于供应商主数据 |
| MfrName | String(200) | Y | D&M |  | Manufacturer Name  生产厂商名称 |
| PkgUnit | String(30) | Y | D&M |  | Packing Unit 包装单位  See $5.1 & $5.2 Common Unit Mapping  Sample:  Box |
| PkgQty | Integer | Y | D&M |  | Packing Quantity 包装数量  Sample:  7 |
| MinUnit | String(30) | Y | D&M |  | Min Unit 最小单位  See $5.1 & $5.2 Common Unit Mapping  Sample:  Pieces |
| DosageUnit | String(30) | Y | D |  | Dosage Unit 剂量单位  See $5.1 & $5.2 Common Unit Mapping  Sample:  Mg |
| BasicDosage | Integer | Y | D |  | Basic Dosage  Sample:  20 |
| Spec | String(50) | Y | D&M |  | Specifications  Sample:  20mg\*7 tablets/box |
| LicenseNo | String(50) |  | M |  | License number from vendor master |
| StopFlag | String(1) | Y | D&M |  | 1. out of service 停用 2. normal 正常   Default 1 |
|  | | | | | |
| DrugProp | String(30) | Y | D |  | Drug Properties  See $5.3  药品性质 |
| DosageForm | String(30) |  | D |  | dosage form  See $5.4  剂型编码 |
| Usage | String(30) |  | D |  | Usage  See $5.5  用法编码 |
| Freq | String(100) |  | D |  | Default Frequency  See $5.6  默认使用频次 |
| NSCode | String(100) |  | D |  | National standard code  国标准字 |
| PriceCode | String(100) |  | D |  | Price code  物价编码 |
| AntiCode | String(100) |  | D |  | Antimicrobial Coding  抗菌药编码 |
| PstDrug | Boolean | Y | D |  | Prescription Drug  是否处方药 |
| SkinTestReq | Boolean | Y | D |  | Skin Test Required  是否需要皮试 |
|  | | | | | |
| MaterialCat | String(50) | Y | M |  | Material category  See $5.7  物资类型 |
| DispMatrial | Boolean | Y | M |  | Disposable Material  是否一次性物料 |
| Implant | Boolean | Y | M |  | Implant  是否植入物 |
| <Items> | | | | | Array end |

#### Response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Field Type** | **Required** | **SAP Field** | **Description** |
| Success | Boolean | Y |  | true or false |
| ErrCode | String(3) |  |  | Error code |
| ErrMsg | String(100) |  |  | Error message |

## Purchase Requisition (H-S-003)

### Functional Description

Request: HIS

Response: SAP

Frequency: Daily

1. HIS summarize approved PR daily, send to SAP.
2. SAP generate PR and send back PR data to HIS. With item row number in SAP.

### Data Flow Diagram



### Fields Description

#### Request

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Field Type** | **Required** | **SAP Field** | **Description** |
| <Hospitals> | | | | Array start |
| HosNo | String(50) | Y |  | Company code in SAP |
| PRDate | String(19) | Y |  | Purchase Requisition create date |
| GRDate | String(19) | Y |  | Latest goods receive date |
| HISPRNo | String(32) | Y |  | Purchase Requisition code in HIS |
| <Items> | | | | Array start |
| MaterialNo | String(50) | Y |  | Unique identification of material in SAP |
| MaterialType | String(1) | Y |  | 1. Drug药品 2. Material物资 |
| CommonName | String(200) | Y |  | Common Name  通用名 |
| MfrNo | String(50) | Y |  | Manufacturer number  Vendor number from vendor master |
| MfrName | String(200) | Y |  | Manufacturer Name |
| PkgUnit | String(30) | Y |  |  |
| Qty | Integer | Y |  | Purchase quantity |
| </Items> | | | | Array end |
| </Hospitals> | | | | Array end |

#### Response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Field Type** | **Required** | **SAP Field** | **Description** |
| Success | Boolean | Y |  | true or false |
| ErrCode | String(3) |  |  | Error code |
| ErrMsg | String(100) |  |  | Error message |
| <Hospitals> | | | | Array start |
| HosNo | String(50) | Y |  | Company code in SAP |
| PRNo | String(50) | Y |  | Purchase Requisition code in SAP |
| <Items> | | | | Array start |
| MaterialNo | String(50) | Y |  | Unique identification of material in SAP |
| MaterialType | String(1) | Y |  | 1. Drug药品 2. Material物资 |
| CommonName | String(200) | Y |  | Common Name  通用名 |
| ItemNo | String(10) | Y |  | Row number in SAP |
| PkgUnit | String(30) | Y |  |  |
| Qty | Integer | Y |  | Purchase quantity |
| </Items> | | | | Array end |
| </Hospitals> | | | | Array end |

## Purchase Order (H-S-004)

### Functional Description

Request: SAP

Response: HIS

Frequency: Daily

1. SAP summarize all PO daily, send to HIS.
2. HIS need to receive the data mapping relation of SAP PR and PO.

### Data Flow Diagram



### Fields Description

#### Request

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Field Type** | **Required** | **SAP Field** | **Description** |
| <Hospitals> | | | | Array start |
| HosNo | String(50) | Y |  | Company code in SAP |
| PONo | String(50) | Y |  | Purchase order number in SAP |
| PODate | String(19) | Y |  | Purchase order create date |
| VendorNo | String(50) | Y |  | Vendor number in vendor mater |
| VendorName | String(200) | Y |  | Vendor name in vendor mater |
| GRDate | String(10) | Y |  | Goods receive date of contract |
| <Items> | | | | Array start |
| PRNo | String(50) | Y |  | Purchase Requisition code in SAP |
| ItemNo | String(10) | Y |  | Row number in SAP |
| MaterialNo | String(50) | Y |  | Unique identification of material in SAP |
| MaterialType | String(1) | Y |  | 1. Drug药品 2. Material物资 |
| CommonName | String(200) | Y |  | Common Name  通用名 |
| MfrNo | String(50) | Y |  | Manufacturer number  Vendor number from vendor master |
| MfrName | String(200) | Y |  | Manufacturer Name |
| PkgUnit | String(30) | Y |  |  |
| Qty | Integer | Y |  | Purchase quantity |
| Price | Number(17,4) | Y |  | Purchase price |
| TotalAmt | Number(17,2) | Y |  | Purchase item total amount |
| </Items> | | | | Array end |
| </Hospitals> | | | | Array end |

#### Response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Field Type** | **Required** | **SAP Field** | **Description** |
| Success | Boolean | Y |  | true or false |
| ErrCode | String(3) |  |  | Error code |
| ErrMsg | String(100) |  |  | Error message |

## Goods Receive (H-S-005)

### Functional Description

Request: HIS

Response: SAP

Frequency: Daily

1. HIS summarize all GR data daily, send to SAP.
2. HIS can supports partially delivery, The PO will be closed after all to goods has been receipted.

### Data Flow Diagram



### Fields Description

#### Request

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Field Type** | **Required** | **SAP Field** | **Description** |
| <Hospitals> | | | | Array start |
| HosNo | String(50) | Y |  | Company code in SAP |
| PONo | String(50) | Y |  | Purchase order number in SAP |
| GRDate | String(19) | Y |  | Goods receive date |
| <Items> | | | | Array start |
| ItemNo | String(10) | Y |  | Row number in SAP |
| MaterialNo | String(50) | Y |  | Unique identification of material in SAP |
| MaterialType | String(1) | Y |  | 1. Drug药品 2. Material物资 |
| CommonName | String(200) | Y |  | Common Name  通用名 |
| MfrNo | String(50) | Y |  | Manufacturer number  Vendor number from vendor master |
| MfrName | String(200) | Y |  | Manufacturer Name |
| PkgBatchNo | String(30) |  |  | Batch number on package  批号 |
| BatchNo | Integer |  |  | Batch number in HIS  批次 |
| PkgUnit | String(30) | Y |  |  |
| Qty | Integer | Y |  | Purchase quantity |
| ProDate | String(10) | Y |  | Production date |
| ExpDate | String(10) | Y |  | Expiry Date |
| </Items> | | | | Array end |
| </Hospitals> | | | | Array end |

#### Response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Field Type** | **Required** | **SAP Field** | **Description** |
| Success | Boolean | Y |  | true or false |
| ErrCode | String(3) |  |  | Error code |
| ErrMsg | String(100) |  |  | Error message |

## Goods Return (H-S-006)

### Functional Description

Request: HIS

Response: SAP

Frequency: Daily

1. HIS summarize goods return data daily, send to HIS.
2. Posting goods issue/goods return need to fulfill the reason and go through the work flow of goods return base on PO information.

### Data Flow Diagram



### Fields Description

#### Request

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Field Type** | **Required** | **SAP Field** | **Description** |
| <Hospitals> | | | | Array start |
| HosNo | String(50) | Y |  | Company code in SAP |
| PONo | String(50) | Y |  | Purchase order number in SAP |
| ReturnDate | String(19) | Y |  | Goods return date |
| Comment | String(200) | Y |  | Comment for goods return |
| <Items> | | | | Array start |
| ItemNo | String(10) | Y |  | Row number in SAP |
| MaterialNo | String(50) | Y |  | Unique identification of material in SAP |
| MaterialType | String(1) | Y |  | 1. Drug药品 2. Material物资 |
| CommonName | String(200) | Y |  | Common Name  通用名 |
| MfrNo | String(50) | Y |  | Manufacturer number  Vendor number from vendor master |
| MfrName | String(200) | Y |  | Manufacturer Name |
| PkgBatchNo | String(30) |  |  | Batch number on package  批号 |
| BatchNo | Integer |  |  | Batch number in HIS  批次 |
| PkgUnit | String(30) | Y |  |  |
| RtnQty | Integer | Y |  | Goods return quantity |
| </Items> | | | | Array end |
| </Hospitals> | | | | Array end |

#### Response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Field Type** | **Required** | **SAP Field** | **Description** |
| Success | Boolean | Y |  | true or false |
| ErrCode | String(3) |  |  | Error code |
| ErrMsg | String(100) |  |  | Error message |

## Inventory Movement (H-S-007)

### Functional Description

Request: HIS

Response: SAP

Frequency: Daily

1. HIS summarize inventory movement data daily, send to HIS.
2. Consumption of dialyzer will be counted after treat.
3. Consumption of drugs will be counted when patient lead the drugs from pharmacy.

### Data Flow Diagram



### Fields Description

#### Request

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Field Type** | **Required** | **SAP Field** | **Description** |
| <Hospitals> | | | | Array start |
| HosNo | String(50) | Y |  | Company code in SAP |
| TransDate | String(19) | Y |  | Date of goods movement |
| <Items> | | | | Array start |
| MaterialNo | String(50) | Y |  | Unique identification of material in SAP |
| MaterialType | String(1) | Y |  | 1. Drug药品 2. Material物资 |
| CommonName | String(200) | Y |  | Common Name  通用名 |
| MfrNo | String(50) | Y |  | Manufacturer number  Vendor number from vendor master |
| MfrName | String(200) | Y |  | Manufacturer Name |
| MovType | String(1) | Y |  | 1. consume消耗 2. breakage报损 3. income on disposal 盘盈 4. loss on disposal 盘亏 |
| PkgBatchNo | String(30) |  |  | Batch number on package  批号 |
| BatchNo | Integer |  |  | Batch number in HIS  批次 |
| PkgUnit | String(30) | Y |  |  |
| Qty | Integer | Y |  | Goods movement quantity |
| </Items> | | | | Array end |
| </Hospitals> | | | | Array end |

#### Response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Field Type** | **Required** | **SAP Field** | **Description** |
| Success | Boolean | Y |  | true or false |
| ErrCode | String(3) |  |  | Error code |
| ErrMsg | String(100) |  |  | Error message |

## Accounting (H-S-008)

### Functional Description

Request: HIS

Response: SAP

Frequency: Daily

1. HIS generate finance voucher daily, send to SAP.

### Data Flow Diagram



### Fields Description

#### Request

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Field Type** | **Required** | **SAP Field** | **Description** |
| <Hospitals> | | | | Array start |
| HosNo | String(50) | Y |  | Company code in SAP |
| BookDate | String(19) | Y |  | Date of bookkeeping |
| <Vouchers> | | | | Array start |
| FiscalYear | String(4) |  | GJAHR | Fiscal Year |
| VoucherType | String(2) |  | BLART | 1. cash 2. medical insurance |
| Bookkeeper | String(50) |  | USNAM | User name in HIS |
| TypeTxt | String(50) |  | BKTXT | Text of type  Cash for 1  Medical Insurance for 2 |
| VoucherNo | String(50) |  | AWREF | Reference document number  (external document number) |
| <Items> | | | | Array start |
| ItemType1 | String(2) |  | BSCHL | Medical insurance - Dr:01, Cr:11  Medical insurance Adanvance - 19  Refund/Writeoff of medical insurance adanvance 09  Bank deposit DR 40，CR50  Income DR50，CR40 |
| ItemType2 |  |  | KOART | D – medical insurance 医保  S – revenue 银行和收入 |
| Flag |  |  | SHKZG | H - Credit  S - Debit |
| AmtLC | Number(17,4) |  | DMBTR | Amount in local currency |
| AmtDC | Number(17,4) |  | WRBTR | Amount in document currency |
| AmtGL | Number(17,4) |  | PSWBT | Amount for Updating in General Ledger |
| ItemTxt |  |  | SGTXT | Item Text  “MM/DD Cash/Medical insurance income” |
| Subsidiary Ledger | | | | |
| AccountNo |  |  | SAKNR | G/L Account Number  费用项目和SAP会计科目的对应关系 |
| GLInd |  |  | UMSKZ | Special G/L Indicator |
| Tax data | | | | |
| CustNo |  |  | KUNNR | Customer Number |
| LineItemNo |  |  | BUZEI | Number of Line Item Within Accounting Document |
| Flag |  |  | SHKZG | Debit/Credit Indicator |
| </Items> | | | | Array end |
| </Vouchers> | | | | Array end |
| </Hospitals> | | | | Array end |

#### Response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Field Type** | **Required** | **SAP Field** | **Description** |
| Success | Boolean | Y |  | true or false |
| ErrCode | String(3) |  |  | Error code |
| ErrMsg | String(100) |  |  | Error message |

# Implementation Plan

|  |  |  |
| --- | --- | --- |
| **Phase** | **Finished Date** | **Description** |
| **1. Requirement** | **2017-12-5** |  |
| 1.1 Business dept requirement discussion & confirm | 2017-11-18 |  |
| 1.2 Interface specification document | 2017-11-29 | Generate interface documents that can guide development |
| 1.3 Review Data Flow Diagram | 2017-12-3 | Business dept review data flow diagram |
| 1.4 Review Fields | 2017-12-5 | SAP developers review interface fields |
| **2. Design** | **2017-12-8** |  |
| **3. Development** | **2017-12-20** |  |
| 3.1 Vendor Master | 2017-12-8 |  |
| 3.2 Material Master | 2017-12-8 |  |
| 3.3 Purchase Requisition | 2017-12-11 |  |
| 3.4 Purchase Order & Goods Receive | 2017-12-14 |  |
| 3.5 Purchasing Goods Return | 2017-12-14 |  |
| 3.6 Inventory Movement | 2017-12-20 |  |
| 3.7 Daily Accounting | 2017-12-20 |  |
| 3.8 Refund | 2017-12-20 |  |
| **4. Testing** | **2018-1-15** |  |
| 4.1 Unit Test | 2017-12-25 |  |
| 4.2 Joint Test | 2018-1-15 |  |
| **5. Publish** | ？ |  |
| **Total:** |  |  |

# Appendix

## Drug – Common Unit Mapping

Enumeration entry of drug unit.

|  |  |  |  |
| --- | --- | --- | --- |
| **SAP** | **Code in HIS** | **Name in HIS** | **Description** |
|  | 1 | g | Gram |
|  | 2 | Kg | Kilogram |
|  | 3 | l | Liter |
|  | 4 | mCi | mCi |
|  | 5 | ml | Milliliter |
|  | 6 | 板 | Blister pack |
|  | 7 | 包 | packet |
|  | 8 | 袋 | bag |
|  | 9 | 对/付 | pair |
|  | 11 | 盒 | box |
|  | 12 | 件/个 | piece |
|  | 14 | 瓶 | Bottle |
|  | 15 | 套 | Set |
|  | 16 | 条 | Strip |
|  | 17 | 听 | Can |
|  | 18 | 桶 | bucket |
|  | 19 | 筒 | cylinder |
|  | 20 | 张 | Sheet |
|  | 21 | 支 | ampoule |

## Material - Common Unit Mapping

Enumeration entry of material unit.

|  |  |  |  |
| --- | --- | --- | --- |
| **SAP** | **Code in HIS** | **Name in HIS** | **Description** |
|  | 1 | 组 | Group |
|  | 3 | 只 | Piece |
|  | 6 | 张 | Sheet |
|  | 8 | 箱 | Boxful |
|  | 12 | 筒 | Cylinder |
|  | 13 | 桶 | Bucket |
|  | 14 | 听 | Can |
|  | 15 | 条 | Strip |
|  | 16 | 套 | Set |
|  | 18 | 双 | Pair |
|  | 19 | 束 | Hank |
|  | 20 | 升 | Liter |
|  | 22 | 圈 | Round |
|  | 23 | 千 | Kilo |
|  | 24 | 瓶 | Bottle |
|  | 26 | 片 | Piece |
|  | 27 | 批 | Batch |
|  | 28 | 盘 | Plate |
|  | 29 | 米 | Meter |
|  | 31 | 令 | Ream |
|  | 34 | 两 | 50g |
|  | 35 | 粒 | Grain |
|  | 36 | 捆 | Bundle |
|  | 39 | 卷 | Reel |
|  | 41 | 斤 | 500g |
|  | 42 | 节 | Block |
|  | 45 | 盒 | Box |
|  | 47 | 罐 | Can |
|  | 50 | 个 | Piece |
|  | 51 | 副 | Pair |
|  | 52 | 付 | Pair |
|  | 56 | 吨 | Ton |
|  | 57 | 对 | Pair |
|  | 60 | 袋 | Bag |
|  | 61 | 打 | Dozen |
|  | 62 | 串 | String |
|  | 63 | 尺 | Chi |
|  | 66 | 包 | Packet |
|  | 67 | 板 | Blister pack |
|  | 69 | 巴 | Bar |
|  | 70 | TS | TS |
|  | 71 | mm | Millimeter |
|  | 72 | M3 |  |
|  | 73 | m2 |  |
|  | 74 | L | Liter |
|  | 75 | KW | Kilowatt |
|  | 76 | KM | Kilometer |
|  | 77 | Kg | Kilogram |
|  | 78 | gd |  |

## Drug – Drug Properties Mapping

Enumeration entry of drug properties. If DrugProp field is not existing in SAP system, the mapping are not needed.

|  |  |  |  |
| --- | --- | --- | --- |
| **SAP** | **Code in HIS** | **Name in HIS** | **Description** |
|  | 1 | 普药 | Generic drug |
|  | 2 | 大输液 | LVP |
|  | 3 | 毒药 | Toxicant |
|  | 4 | 麻药 | Anesthetic |
|  | 5 | 精神Ⅰ类药品 | Psychotropic drugs of category I |
|  | 6 | 精神Ⅱ类药品 | Psychotropic drugs of category II |
|  | 7 | 化疗药 | Chemotherapeutic drugs |
|  | 8 | 非限制级抗菌素 | Nonrestrictive levels of antibiotics |
|  | 9 | 放射性药物 | Radiopharmaceutical |
|  | 10 | 限制级抗菌素 | Restricted class antibiotics |
|  | 11 | 特殊级抗菌素 | Special grade antibiotics |

## Drug – Dosage Form Mapping

Enumeration entry of drug dosage. If Dosage field is not existing in SAP system, the mapping are not needed.

|  |  |  |  |
| --- | --- | --- | --- |
| **SAP** | **Code in HIS** | **Name in HIS** | **Description** |
|  | 1 | 巴布膏剂 | Cataplasms |
|  | 2 | 薄膜衣片 | Film-coated tablets |
|  | 3 | 鼻喷剂 | nasal spray |
|  | 4 | 鼻喷雾剂 | nasal puffers |
|  | 5 | 搽剂 | Liniment |
|  | 6 | 肠溶胶囊 | enteric capsule |
|  | 7 | 肠溶胶囊(微丸) | Micro enteric capsule |
|  | 8 | 肠溶片 | enteric-coated tablet |
|  | 9 | 冲洗剂 | Irrigation |
|  | 10 | 大蜜丸 | big honeyed pills |
|  | 11 | 滴鼻剂 | nasal drops |
|  | 12 | 滴耳剂 | ear drops |
|  | 13 | 滴剂 | Drops |
|  | 14 | 滴剂（胶囊型） | Drops(capsule) |
|  | 15 | 滴丸剂 | dripping pill |
|  | 16 | 滴眼剂 | eye drops |
|  | 17 | 滴眼剂(含玻璃酸钠) | eye drops ( containing sodium hyaluronate) |
|  | 18 | 滴眼液 | Eye drops |
|  | 19 | 锭剂 | Pastille |
|  | 20 | 动物类 | Animal |
|  | 21 | 冻干粉 | lyophilized powder |
|  | 22 | 分散片 | dispersible tablet |
|  | 23 | 粉剂 | powder |
|  | 24 | 敷剂 | application |
|  | 25 | 干混悬剂 | dry suspension |
|  | 26 | 干混悬剂(无糖型) | Sugar-free dry suspension |
|  | 27 | 膏剂 | Paste |
|  | 28 | 膏药 | plaster |
|  | 29 | 膏滋剂 | plaster for internal use |
|  | 30 | 根茎类 | Rhizomes |
|  | 31 | 宫内节育系统 | intrauterine device (IUD) system |
|  | 32 | 灌肠剂 | Enema |
|  | 33 | 含漱剂 | Gargle |
|  | 34 | 合剂 | Mixture |
|  | 35 | 合剂(含口服液) | Mixture (containing oral liquid) |
|  | 36 | 合剂(含口服液)(党参方) | Mixture (containing oral liquid & Dangshen Compound) |
|  | 37 | 合剂(含口服液)(无糖型) | Mixture (containing sugar-free oral liquid) |
|  | 38 | 合剂（口服液） | Mixture (oral liquid) |
|  | 39 | 糊剂 | Cataplasm |
|  | 40 | 花类 | Flower |
|  | 41 | 花叶类 | Flower and leaf |
|  | 42 | 缓释胶囊 | Sustained-release capsules |
|  | 43 | 缓释颗粒剂 | Sustained-release Granules |
|  | 44 | 缓释片 | Sustained-release tablets |
|  | 45 | 混悬滴剂 | Suspension Drops |
|  | 46 | 混悬滴眼液 | Suspension eye Drops |
|  | 47 | 混悬剂 | Suspensions |
|  | 48 | 混悬剂(缓释) | Sustained-release Suspensions |
|  | 49 | 煎膏剂 | Electuary |
|  | 50 | 胶剂 | Glue |
|  | 51 | 胶浆剂 | Mucilage |
|  | 52 | 胶囊剂 | Capsules |
|  | 53 | 胶囊剂(肠溶) | Capsules (enteric coated) |
|  | 54 | 胶囊剂(肠溶缓释) | Capsules (Sustained-release enteric coated) |
|  | 55 | 胶囊剂(肠溶冷藏) | Capsules (refrigeration enteric coated) |
|  | 56 | 胶囊剂(肠溶微丸) | Capsules (enteric coated micro tablets) |
|  | 57 | 胶囊剂(缓释) | Capsules (Sustained-release) |
|  | 58 | 胶囊剂(控释) | Capsules (controlled release) |
|  | 59 | 胶囊剂(阴道) | Capsules (vagina) |
|  | 60 | 胶囊剂(阴道泡腾) | Capsules (vagina effervescent) |
|  | 61 | 胶囊剂（微丸） | Capsules (micro tablets) |
|  | 62 | 茎木类 | caulis and lignum |
|  | 63 | 酒剂 | medicinal liquor |
|  | 64 | 菌藻类 | fungi and algae |
|  | 65 | 颗粒剂 | Granules |
|  | 66 | 颗粒剂(低糖型) | Low-sugar Granules |
|  | 67 | 颗粒剂(泡腾） | Granules effervescent |
|  | 68 | 颗粒剂(无糖型) | Sugar-free Granules |
|  | 69 | 口服混悬剂 | Oral Suspension |
|  | 70 | 口服溶液剂 | Oral Solution |
|  | 71 | 口服溶液剂(无糖型) | Sugar-free Oral Solution |
|  | 72 | 口服乳剂 | Oral Emulsion |
|  | 73 | 口腔贴片 | buccal tablets |
|  | 74 | 矿物类 | Mineral |
|  | 75 | 蜡棒 | Dennison wax Cennison |
|  | 76 | 流浸膏剂 | Fluidextract |
|  | 77 | 露剂 | distillate medicinal water |
|  | 78 | 免煎剂 | decoct-free |
|  | 79 | 膜剂 | Membrane |
|  | 80 | 凝胶剂 | Gels |
|  | 81 | 凝胶剂(口服) | Gels (Oral) |
|  | 82 | 凝胶剂(阴道) | Gels (Vagina) |
|  | 83 | 喷鼻剂 | nasal spray |
|  | 84 | 喷雾剂 | Spray |
|  | 85 | 皮类 | Skin |
|  | 86 | 片剂 | Tablet |
|  | 87 | 片剂(肠溶) | Tablet (enteric-coated) |
|  | 88 | 片剂(肠溶缓释) | Tablet (enteric-coated sustained-release) |
|  | 89 | 片剂(分散) | Tablet (dispersible) |
|  | 90 | 片剂(含片) | Tablet (oral) |
|  | 91 | 片剂(含片)(无糖型) | Tablet (sugar-free oral) |
|  | 92 | 片剂(缓释) | Tablet (sustained-release) |
|  | 93 | 片剂(咀嚼) | Tablet (chewable) |
|  | 94 | 片剂(控释) | Tablet (controlled-release) |
|  | 95 | 片剂(口腔崩解) | Tablet (oral disintegrating) |
|  | 96 | 片剂(泡腾) | Tablet (effervescent) |
|  | 97 | 片剂(糖衣) | Tablet (sugar-coating) |
|  | 98 | 片剂(阴道) | Tablet (vagina) |
|  | 99 | 片剂(阴道泡腾) | Tablet (vagina effervescent) |
|  | 100 | 片剂(阴道片) | Tablet (vagina tables) |
|  | 101 | 片剂（薄膜衣） | Tablet (film-coating) |
|  | 102 | 其他 | Other |
|  | 103 | 其他类 | Other |
|  | 104 | 气雾剂 | Aerosol |
|  | 105 | 气雾剂（溶液型） | Aerosol (solution) |
|  | 106 | 全草类 | Herba |
|  | 107 | 溶液剂 | Liquores |
|  | 108 | 溶液剂（吸入） | Liquores (inhalation) |
|  | 109 | 乳膏剂 | Cream |
|  | 110 | 乳剂 | Emulsion |
|  | 111 | 乳胶剂 | emulsifiable gel |
|  | 112 | 软膏剂 | Ointment |
|  | 113 | 软胶囊(胶丸) | Softgel (Capsules) |
|  | 114 | 软胶囊(胶丸)(肠溶) | Softgel (Capsules enteric-coated) |
|  | 115 | 软胶囊(胶丸)(天然型) | Softgel (Capsules natural) |
|  | 116 | 软胶囊(胶丸)(阴道) | Softgel (Capsules vagina) |
|  | 117 | 软胶囊剂 | Soft Capsules |
|  | 118 | 散剂 | Pulvis |
|  | 119 | 散剂(口服) | Pulvis (oral) |
|  | 120 | 散剂(外用) | Pulvis (external use) |
|  | 121 | 湿巾 | Wipes |
|  | 122 | 树脂类 | Resinae |
|  | 123 | 栓剂 | Suppository |
|  | 124 | 栓剂(阴道) | Suppository (vagina) |
|  | 125 | 霜剂 | Cream |
|  | 126 | 水蜜丸 | water-honeyed pill |
|  | 127 | 水丸 | water-bindered pill |
|  | 128 | 糖浆剂 | Syrups |
|  | 129 | 糖浆剂(无糖) | Sugar-free Syrups |
|  | 130 | 藤木树脂 | Rattan resin |
|  | 131 | 贴敷剂 | Sticking |
|  | 132 | 贴膏剂 | Emplastrum |
|  | 133 | 贴剂 | Patch |
|  | 134 | 贴剂(控释) | controlled-release Patch |
|  | 135 | 透皮贴剂 | Transdermal Patches |
|  | 136 | 透皮贴剂(缓释) | controlled-release Transdermal Patches |
|  | 137 | 透析液 | Dialysate |
|  | 138 | 涂膜剂 | Plastic |
|  | 139 | 外用溶液剂 | external use solution |
|  | 140 | 外用软膏剂 | external use ointment |
|  | 141 | 丸剂 | Pills |
|  | 142 | 丸剂(包衣浓缩水丸) | Pills (coated concentration water-bindered pill) |
|  | 143 | 丸剂(大蜜丸) | Pills (big honeyed pills) |
|  | 144 | 丸剂(大蜜丸)(天然牛黄) | Pills (big honeyed pills) (natural Bezoar) |
|  | 145 | 丸剂(糊丸) | Pills (starched pill) |
|  | 146 | 丸剂(浓缩水丸) | Pills (concentration water-bindered pill) |
|  | 147 | 丸剂(浓缩丸) | Pills (concentration pill) |
|  | 148 | 丸剂(水蜜丸) | Pills (water-honeyed pill) |
|  | 149 | 丸剂(水丸) | Pills (water-bindered pill) |
|  | 150 | 丸剂(素丸) | Pills () |
|  | 151 | 丸剂(微丸) | Pills (pellets) |
|  | 152 | 丸剂(小蜜丸) | Pills (small honeyed pills) |
|  | 153 | 丸剂（大蜜丸） | Pills (big honeyed pills) |
|  | 154 | 丸剂（蜜丸） | Pills (honeyed pills) |
|  | 155 | 丸剂（浓缩蜜丸） | Pills (concentration honeyed pills) |
|  | 156 | 丸剂（浓缩水蜜丸） | Pills (concentration water-honeyed pills) |
|  | 157 | 丸剂（微丸） | Pills (pellets) |
|  | 158 | 雾化混悬液 | Nebulising Suspension |
|  | 159 | 雾化溶液剂 | Nebulising solution |
|  | 160 | 吸入粉雾剂 | Powder for Inhalation |
|  | 161 | 吸入剂 | Inhalant |
|  | 162 | 吸入溶液剂 | Inhalant solution |
|  | 163 | 洗剂 | Lotion |
|  | 164 | 橡胶膏剂 | adhesive plasters |
|  | 165 | 熏蒸剂 | Fumigant |
|  | 166 | 眼膏剂 | Eye ointments |
|  | 167 | 眼用凝胶剂 | ophthalmic gel |
|  | 168 | 叶类 | Leaf |
|  | 169 | 阴道泡腾片 | Vagina effervescent |
|  | 170 | 硬胶囊剂 | hard capsule |
|  | 171 | 油剂 | oil solution |
|  | 172 | 原料 | raw material |
|  | 173 | 植入剂(缓释) | Slow-release implant |
|  | 174 | 炙烫类 | Roasting |
|  | 175 | 种子果实 | seeds and fruits |
|  | 176 | 种子原 | original seed |
|  | 177 | 注射剂 | Injection |
|  | 178 | 注射剂(冻干) | Lyophilized injection |
|  | 179 | 注射剂(溶媒结晶) | solvent-out crystallization injection |
|  | 180 | 注射液 | Injection solution |
|  | 181 | 注射液(笔芯) | cartridge Injection solution |
|  | 182 | 注射液(非PVC软袋双阀双层无菌) | Non-PVC injection solution |
|  | 183 | 注射液(软袋) | Soft bag injection solution |
|  | 184 | 注射液(软袋双阀) | Soft bag with double valve injection solution |
|  | 185 | 注射液(软袋双阀双层无菌) | injection solution (soft bag, double-valve, double-deck) |
|  | 186 | 注射液(双袋双联) | injection solution (duplex) |
|  | 187 | 注射液(塑料安瓿) | injection solution (plastic ampoule) |
|  | 188 | 注射液(塑瓶) | injection solution (plastic) |
|  | 189 | 注射液(特充) | injection solution (non-filled) |
|  | 190 | 注射液(预充式) | injection solution (prefilled) |
|  | 191 | 注射液(预灌封) | injection solution (prefilled and seal) |
|  | 192 | 注射液(直立式聚丙烯输液袋) | injection solution (up-right polypropylene infusion bag) |
|  | 193 | 酊剂 | Tincture |
|  | 194 | 酏剂 | Elixir |

## Drug – Usage Mapping

Enumeration entry of drug usage. If Usage field is not existing in SAP system, the mapping are not needed.

|  |  |  |  |
| --- | --- | --- | --- |
| **SAP** | **Code in HIS** | **Name in HIS** | **Description** |
|  | 1 | TPN静脉点滴 | TNP intravenously guttae (iv gtt) |
|  | 2 | 膀胱冲洗 | bladder irrigation |
|  | 3 | 膀胱灌注 | irrigation of bladder |
|  | 4 | 膀胱区封闭 | Bladder blockade |
|  | 5 | 膀胱注射 | Bladder injection |
|  | 6 | 包煎 | wrap-boiling |
|  | 7 | 备药 | prepare medication |
|  | 8 | 鼻丘封闭 | Agger nasi blockade |
|  | 9 | 鼻饲 | nasogastric |
|  | 10 | 鼻饲管十二指肠灌注 | Nasogastric tube duodenal infusion |
|  | 11 | 持续膀胱冲冼 | Persistent bladder irrigation |
|  | 12 | 持续湿化气道 | Persistent tracheal humidifying |
|  | 13 | 冲服 | take drenched |
|  | 14 | 冲管用 | Wash pipe |
|  | 15 | 冲洗 | Wash |
|  | 16 | 出院带药 | discharge medication |
|  | 17 | 袋泡 | bag-steeping |
|  | 18 | 滴鼻 | Nasal drip |
|  | 19 | 滴耳 | Ear drip |
|  | 20 | 滴双耳 | Bilateral nasal drip |
|  | 21 | 滴双眼 | Bilateral eyes drip |
|  | 22 | 滴眼 | Eye drip |
|  | 23 | 滴右耳 | Right ear drip |
|  | 24 | 滴右眼 | Right eye drip |
|  | 25 | 滴左耳 | Left ear drip |
|  | 26 | 滴左眼 | Left eye drip |
|  | 27 | 动脉注射 | arterial injection |
|  | 28 | 封管 | tube sealing |
|  | 29 | 腹膜内注射 | peritoneum injection |
|  | 30 | 腹腔灌注 | enterocoelia perfusion |
|  | 31 | 腹腔内注射 | enterocoelia injection |
|  | 32 | 宫肌注射 | Womb muscle injection |
|  | 33 | 宫颈封闭 | Cervix blockade |
|  | 34 | 宫颈注射 | Cervix injection |
|  | 35 | 宫腔注射 | Intrauterine injection |
|  | 36 | 关节腔注射 | articular cavity injection |
|  | 37 | 灌肠 | Enema |
|  | 38 | 后下 |  |
|  | 39 | 后穹窿穿刺 | puncture of posterior fornix |
|  | 40 | 后穹隆注射 | Injection of posterior fornix |
|  | 41 | 化疗动脉注射 | arterial injection chemotherapy |
|  | 42 | 化疗腹腔注射 | Enterocoelia injection chemotherapy |
|  | 43 | 化疗关节腔注射 | articular cavity injection chemotherapy |
|  | 44 | 化疗肌注 | intramuscular injection chemotherapy |
|  | 45 | 化疗静滴 | intravenous drip chemotherapy |
|  | 46 | 化疗静脉泵入 | intravenous pumping chemotherapy |
|  | 47 | 化疗静推 | intravenous injection chemotherapy |
|  | 48 | 化疗皮下注射 | hypodermic injection chemotherapy |
|  | 49 | 化疗鞘内注射 | intrathecal injection chemotherapy |
|  | 50 | 化疗漱口 | chemotherapy gargle |
|  | 51 | 化疗胸腔注射 | Intrathoracic injection chemotherapy |
|  | 52 | 肌肉注射 | intramuscular injection |
|  | 53 | 煎服 | decocting |
|  | 54 | 结肠灌洗 | Colon lavage |
|  | 55 | 结膜囊冲洗 | conjunctival sac lavage |
|  | 56 | 静脉泵入 | Intravenous pump |
|  | 57 | 静脉点滴 | intravenous drip |
|  | 58 | 静脉全麻 | intravenous anesthesia |
|  | 59 | 静脉输血 | Intravenous blood transfusion |
|  | 60 | 静脉吸入复合全麻 | VICA ; venous inhalation anesthesia |
|  | 61 | 静脉注射 | intravenous injection |
|  | 62 | 局部封闭 | partial blockade |
|  | 63 | 局部高压注射 | Partial high-pressure injecting |
|  | 64 | 局部麻醉 | local anaesthesia |
|  | 65 | 局部涂擦 | local inunction |
|  | 66 | 抗凝用 | anti-freezing |
|  | 67 | 口服 | Oral |
|  | 68 | 口含 | Buccal tablets |
|  | 69 | 口腔喷 | oral spray |
|  | 70 | 扩宫 | enlarging womb |
|  | 71 | 冷敷 | cold compress |
|  | 72 | 冷疗 | cold therapy |
|  | 73 | 麻醉辅助 | anesthesia adjuvant |
|  | 74 | 每次50ml-100ml | 50ml-100ml per time |
|  | 82 | 莫非氏管滴入 | Drip by murphy's dropper |
|  | 83 | 脑室冲洗 | ventricular lavage |
|  | 84 | 内痣注射 | internal hemorrhoids injection |
|  | 85 | 喷鼻 | nasal spray |
|  | 86 | 喷喉 | Throat spray |
|  | 87 | 皮内注射 | intracutaneous injection |
|  | 88 | 皮试 | Skin test |
|  | 89 | 皮下注射 | subcutaneous injection |
|  | 90 | 气管内注入 | intratracheal instillation |
|  | 91 | 前列腺注射 | intra prostatic injection |
|  | 92 | 鞘内封闭 | Intrathecal blockade |
|  | 93 | 鞘内注射 | Intrathecal injection |
|  | 94 | 清洁灌肠 | Clysis |
|  | 95 | 球后注射 | retrobulbar injection |
|  | 96 | 球结膜下注射 | subconjunctival injections |
|  | 97 | 球旁注射 | periocular injection |
|  | 98 | 球周半球后注射 | Semiretrobulbar injection |
|  | 99 | 热敷 | hot compress |
|  | 100 | 入壶 | infusion |
|  | 101 | 塞肛 | Butt Plug |
|  | 102 | 三叉神经注射 | Trigeminal nerve injection |
|  | 103 | 舌下含服 | Sublingual |
|  | 104 | 神经组织 | nervous tissue |
|  | 105 | 湿敷 | Wet compressing |
|  | 106 | 首剂加倍 | Double first dose |
|  | 107 | 术前0.5-2小时使用 | 0.5-2 hr before surgery |
|  | 108 | 术中备用 | Standby in surgery |
|  | 109 | 漱口用 | Gargle |
|  | 110 | 双下甲注射 | bilateral infraturbinal injection |
|  | 111 | 通水 | open water treating |
|  | 112 | 涂臀 | Hip Inunction |
|  | 113 | 外敷 | External spread |
|  | 114 | 外用 | external application |
|  | 115 | 胃管内注入 | Intrastric injection |
|  | 116 | 雾化吸入 | Aerosol inhalation |
|  | 117 | 吸入 | inhalation |
|  | 118 | 吸入全麻 | inhalation anesthesia |
|  | 119 | 洗耳 | Wash ear |
|  | 120 | 洗眼 | Wash eye |
|  | 121 | 下鼻甲封闭 | inferior nasal concha blockade |
|  | 122 | 先煎 | decocted first |
|  | 123 | 心包注射 | pericardium injection |
|  | 124 | 心内注射 | intracardiac injection |
|  | 125 | 胸腔冲洗 | Thorax lavage |
|  | 126 | 胸腔注射 | Thorax injection |
|  | 127 | 胸腔注药 | Thorax medicine |
|  | 128 | 穴位注射 | Acupoint injection |
|  | 129 | 血透用 | Used for dialysis |
|  | 130 | 熏洗 | fuming and washing |
|  | 131 | 眼外注射 | Extraocular injection |
|  | 132 | 羊膜腔内注射 | intra-amniotic injection |

## Drug – Default Frequency Mapping

Enumeration entry of drug default frequency. If Freq field is not existing in SAP system, the mapping are not needed.

|  |  |  |  |
| --- | --- | --- | --- |
| **SAP** | **Code in HIS** | **Name in HIS** | **Description** |
|  | bid | 2次/天 | 2 times/day |
|  | q12h | 1次/12小时 | 1 time/12 hrs |
|  | q2h | 1次/2小时 | 1 time/2 hrs |
|  | q3h | 1次/3小时 | 1 time/3 hrs |
|  | q4h | 1次/4小时 | 1 time/4 hrs |
|  | q6h | 1次/6小时 | 1 time/6 hrs |
|  | q8h | 1次/8小时 | 1 time/8 hrs |
|  | qd | 1次/天 | 1 time/day |
|  | qd\_16 | 1次/天\_16点 | 1 time/day\_16:00 |
|  | qd\_18 | 1次/天\_18点 | 1 time/day\_18:00 |
|  | qd\_20 | 1次/天\_20点 | 1 time/day\_20:00 |
|  | bid\_2-14 | 2次/天\_2点-14点 | 2 times/day\_2:00\_14:00 |
|  | qd\_8 | 1次/天\_8点 | 1 time/day\_8:00 |
|  | qh | 1次/小时 | 1 time/hr |
|  | qid | 4次/天 | 4 times/day |
|  | qn | 每晚1次 | 1 time/night |
|  | qod | 隔日1次 | 1 time/2 days |
|  | sos | 临时备用 | Temporary standby |
|  | st | 临时 | Temporary |
|  | tid | 3次/天 | 3 times/day |
|  | qw | 1次/周 | 1 time/week |
|  | bid\_6-16 | 2次/天\_6点-16点 | 2 times/day\_6:00\_16:00 |
|  | bid\_8-12 | 2次/天\_8点-12点 | 2 times/day\_8:00\_12:00 |
|  | bid\_8-16 | 2次/天\_8点-16点 | 2 times/day\_8:00\_16:00 |
|  | bid\_8-20 | 2次/天\_8点-20点 | 2 times/day\_8:00\_20:00 |
|  | q1h | 1次/1小时 | 1 time/hr |
|  | prn | 需要时 | case of need |
|  | q0.5h | 1次/半小时 | 1 time/half hr |
|  | bid | 2次/天 | 2 times/day |
|  | q12h | 1次/12小时 | 1 time/12 hrs |
|  | q2h | 1次/2小时 | 1 time/2 hrs |
|  | q3h | 1次/3小时 | 1 time/3 hrs |
|  | q4h | 1次/4小时 | 1 time/4 hrs |
|  | q6h | 1次/6小时 | 1 time/6 hrs |
|  | q8h | 1次/8小时 | 1 time/8 hrs |
|  | qd | 1次/天 | 1 time/day |
|  | qd\_16 | 1次/天\_16点 | 1 time/day\_16:00 |
|  | qd\_18 | 1次/天\_18点 | 1 time/day\_18:00 |
|  | qd\_20 | 1次/天\_20点 | 1 time/day\_20:00 |
|  | bid\_2-14 | 2次/天\_2点-14点 | 2 times/day\_2:00\_14:00 |
|  | qd\_8 | 1次/天\_8点 | 1 time/day\_8:00 |
|  | qh | 1次/小时 | 1 time/hr |
|  | qid | 4次/天 | 4 times/day |
|  | qn | 每晚1次 | 1 time/night |
|  | qod | 隔日1次 | 1 time/2 days |
|  | tid | 3次/天 | 3 time/day |
|  | qw | 1次/周 | 1 time/week |
|  | bid\_6-16 | 2次/天\_6点-16点 | 2 times/day\_6:00\_16:00 |
|  | bid\_8-12 | 2次/天\_8点-12点 | 2 times/day\_8:00\_12:00 |
|  | bid\_8-16 | 2次/天\_8点-16点 | 2 times/day\_8:00\_16:00 |
|  | bid\_8-20 | 2次/天\_8点-20点 | 2 times/day\_8:00\_20:00 |
|  | q1h | 1次/1小时 | 1 time/hr |
|  | q0.5h | 1次/半小时 | 1 time/half hr |

## Material – Material Type Mapping

Enumeration entry of material type.

|  |  |  |  |
| --- | --- | --- | --- |
| **SAP** | **Code in HIS** | **Name in HIS** | **Description** |
|  | 001 | 低值易耗品 | Low value consumbles |
|  | 002 | 一次性材料 | Disposable material |
|  | 005 | 化验材料 | Test material |
|  | 008 | 血透材料 | Dialysis material |
|  | 009 | 放射材料 | Radioactive material |
|  | 010 | 消毒材料 | Disinfectants material |
|  | 011 | 电脑耗材 | Computer consumables |
|  | 012 | 其他卫生材料 | Other medical material |
|  | 013 | 其他植入性材料 | Other Implant material |
|  | 014 | 维修材料 | Servicing material |

## Finance - Cost Classification Mapping

|  |  |  |  |
| --- | --- | --- | --- |
| **SAP** | **Code in HIS** | **Name in HIS** | **Description** |
| Product | 001 | 西药费 | Western medicine |
| 002 | 中成药费 | Western medicine |
| Dialysis | 027 | 透析费 | Dialysis |
| Others | 004 | 挂号费 | Register |
| 006 | 床位费 | Ward bed fee |
| 007 | 诊查费 | Diagnose |
| 008 | 检查费 | Check |
| 009 | 治疗费 | Therapy |

## Error Code