

## 1. 路径状态过滤

- 分配角色权限：路径查询本院区、路径查询全院
  - 有权限选择框会显示在页面上

```
ClinicalPathwayModel
    @Override
    public Map<String, String> getHipOperation() {
        Map<String, String> hipOperationMap = new HashMap<>();
        hipOperationMap.put("cpQueryAll=true", "路径查询全院");
        return hipOperationMap;
    }
```

```

        <HipFormView fx:id="cpQueryForm" visible="false">
            <children>
                <Label alignment="CENTER_LEFT" minHeight="24.0"
minWidth="60.0" prefHeight="24.0"
                    prefWidth="60.0" text="适用科室:"
GridPane.rowIndex="0" GridPane.columnIndex="0"/>
                <HipCustomDataSourceFilterableComboBoxFormCell
fx:id="cpOrgCodeCell" propertyName="cpOrgCode"

autoWidth="true" minHeight="24.0" minWidth="90.0"

prefHeight="24.0" prefWidth="90"

GridPane.columnIndex="1" GridPane.rowIndex="0">
                    <customDataSourceCallback>
                        <HipCallback beanId="pathwayOrgSourceCallback"/>
                    </customDataSourceCallback>
                </HipCustomDataSourceFilterableComboBoxFormCell>
            </children>
        </HipFormView>

```

```

<SourceItem id="ACTIVE" value="ACTIVE" display="在用"/>
<SourceItem id="ABORTED" value="ABORTED" display="停用"/>
<SourceItem id="NEW" value="NEW" display="未审核"/>

```

## 2. 查询

- 前端类：selectPathwayStatusCommand
- 查询接口:通过病区和状态查询临床路径: </cp/query/areacode/status>
- 逻辑：
  1. 前端：传入状态，根据登录病区编码，查把对照信息查出对照信息中类型未临床的机构编码
  2. 后端：
    - 根据机构编码-cp\_org\_code查cp\_main

- 再根据cp\_main的id,查cp\_vs\_Desc, CP\_STEP
- 封装一个大实体返回前端

```
SELECT ID, CP_TYPE, CP_ORG_CODE, CP_CODE, CP_NAME, MEDICAL_RECORD_TYPE,
ADAPT_ILLNESS, ADAPT_SEX, ADAPT_AGE, AVERAGE_INHOSP, COST, REMARK,
DRUG_USE_TIME, EFFECTIVE_TIME_LOW, EFFECTIVE_TIME_HIGH, STATUS_CODE,
VERSION, CREATE_USER, CREATE_DATE, APPROVAL_USER, APPROVAL_DATE,
CP_RANGE
FROM CP_MAIN
WHERE STATUS_CODE = 'ACTIVE' AND HOSPITAL_CODE = '0001' AND CP_ORG_CODE
IN ( '0001102102' ) ORDER BY ID ASC;
```

```
SELECT ID, CP_ID, CP_CODE, CP_NAME, CP_VS_TYPE, CP_VS_SUB_TYPE,
CP_VS_CODE, CP_VS_NAME
FROM CP_VS_DESC
WHERE CP_ID = 2675 ORDER BY ID ASC;
```

```
SELECT ID, CP_ID, CP_CODE, CP_NAME, CP_NODE, NODE_MAX_DAYS,
CP_START_DAYS, CREATE_DATE
FROM CP_STEP
WHERE CP_ID = 2675 ORDER BY CREATE_DATE ASC;
```

### 3. 基本信息维护页面:

- 新增路径编码: 查cp\_pat表的序列, 格式: cp+序列十位数个数加0+序列值
- 代码:

```
<select id="queryPatCode" resultType="java.lang.String"
useCache="false" flushCache="true" >
select SEQ_CP_PAT_CODE.Nextval FROM DUAL
</select>
```

- cp\_main表中的cp\_type为页面上路径分类 (国家表中\医院自建 页面字典StandardType), 默认为医院自建。
- 路径适用范围: CP\_PAT表中的CP\_RANG (字典AdaptRange) 全院 002科室
- 适用科室: CP\_PAT表中CP\_ORG\_CODE的科室编码
  - 多个科室用同一个诊断的时候, 医生站那边会根据, 适用范围全院、科室、适用科室筛选
- 数据流
  - 插入基础数据: 向CP\_MAIN插入状态为NEW的数据

```
insert into CP_MAIN ( ID, CP_TYPE, CP_ORG_CODE, CP_CODE, CP_NAME,
EFFECTIVE_TIME_LOW, STATUS_CODE, VERSION, CREATE_USER,
CREATE_DATE, CP_RANGE, HOSPITAL_CODE ) values ( 2669, '1',
'0001102102', 'CP00002839', '测试一', '2021-12-21 00:00:00.0',
'NEW', 'V1', '009999', '2021-12-21 14:37:34.0', '002', '0001' );
```

- 物理删除:
  - 删除CP\_VS\_DESC和CP\_STEP和CP\_MAIN, 均根据cp\_main\_id查
- 审核
  - 把cp\_main的状态由NEW改为ACTIVE
- 升级: /cp/upgrade/version
  - 未审核状态不能升级
  - 逻辑:
    - 停用旧路径, 将路径有效停止时间改成当前操作时间, 原有数据 (CP\_VS\_DESC、CP\_STEP、CP\_STEP\_ITEM) 不变。医嘱站开立诊断进入时间 > 路径有效停止时间, 所以就会再进入此路径
    - 拷贝之前路径数据, 拷贝旧路径描述详情和步骤及步骤项目, 新建一条一模一样的路径数据, 为审核状态路径, 在此基础上再修改-审核
- 数据流

更新原有数据:

```
update CP_MAIN SET CP_TYPE = '1', CP_ORG_CODE = '0001102102',
CP_CODE = 'CP00002847', CP_NAME = '测试五',
EFFECTIVE_TIME_LOW = '2021-12-23 00:00:00.0',
EFFECTIVE_TIME_HIGH = '2021-12-24 18:19:01.0', STATUS_CODE =
'ACTIVE', VERSION = 'V1', CREATE_USER = '009999', CREATE_DATE
= '2021-12-23 10:00:38.0', APPROVAL_USER = '009999',
APPROVAL_DATE = '2021-12-23 09:56:34.0', CP_RANGE = '002'
WHERE ID = 2679;
```

插入新数据:

```
insert into CP_MAIN ( ID, CP_TYPE, CP_ORG_CODE, CP_CODE,
CP_NAME, EFFECTIVE_TIME_LOW, STATUS_CODE, VERSION,
CREATE_USER, CREATE_DATE, CP_RANGE, HOSPITAL_CODE ) values (
2683, '1', '0001102102', 'CP00002847', '测试五', '2021-12-23
00:00:00.0', 'NEW', 'V2', '009999', '2021-12-24 18:19:01.0',
'002', '0001' );
```

```
insert into CP_VS_DESC ( ID, CP_ID, CP_CODE, CP_NAME,
CP_VS_TYPE, CP_VS_SUB_TYPE, CP_VS_CODE, CP_VS_NAME ) values (
5700, 2683, 'CP00002847', '测试五', '1', '1', 'F84.000x001',
'儿童孤独症' );
```

```
insert into CP_VS_DESC ( ID, CP_ID, CP_CODE, CP_NAME,
CP_VS_TYPE, CP_VS_NAME ) values ( 5701, 2683, 'CP00002847',
'测试五', '2', '诊疗依据一' );
```

```
insert into CP_STEP ( ID, CP_ID, CP_CODE, CP_NAME, CP_NODE,
NODE_MAX_DAYS, CREATE_DATE ) values ( 3878, 2683,
'CP00002847', '测试五', '阶段一', 2, '2021-12-23 10:00:59.0'
);
```

```
insert into CP_STEP_ITEM ( ID, CP_STEP_ID, CP_STEP_TYPE,
CP_STEP_ITEM_TYPE, ITEM_NAME, ITEM_NO, GROUP_NO, ORDER_CLASS,
ORDER_SERVICE_CODE, DRUG_GOODS_CODE, ORDER_TYPE, USAGE,
```

```

FREQUENCY, FREQ_TIMEPOINT, DOSAGE, DOSAGE_UNIT,
TREATMENT_COURSE_UNIT, SBADM_WAY, EXECUTE_ORG_CODE,
IS_REQUIRED, PRIORITY_FLAG, IS_ALONE, CREATE_USER,
CREATE_DATE, CLINIC_ITEM_NAME, STATUS_CODE ) values ( 53723,
3878, '3', '2', '硝苯地平控释片', 1.0, 1.0, '01', '00004428',
'00004428', '1', 'UABY1658', 'Q.S.', '8', 30.0, '2', 'D',
'01', '0001302302', 0, 0, 1, '009999', '2021-12-23
10:02:18.0', '硝苯地平控释片', 'ACTIVE' );

...

insert into CP_STEP ( ID, CP_ID, CP_CODE, CP_NAME, CP_NODE,
NODE_MAX_DAYS, CREATE_DATE ) values ( 3879, 2683,
'CP00002847', '测试五', '阶段二', 2, '2021-12-23 10:01:06.0'
);

insert into CP_STEP_ITEM ( ID, CP_STEP_ID, CP_STEP_TYPE,
CP_STEP_ITEM_TYPE, ITEM_NAME, ITEM_NO, GROUP_NO, ORDER_CLASS,
ORDER_SERVICE_CODE, DRUG_GOODS_CODE, ORDER_TYPE, USAGE,
FREQUENCY, FREQ_TIMEPOINT, DOSAGE, DOSAGE_UNIT, MADE_METHOD,
DOSE_NUM, NUM, UNIT, EXECUTE_ORG_CODE, IS_REQUIRED,
PRIORITY_FLAG, CREATE_USER, CREATE_DATE, CLINIC_ITEM_NAME,
CDRUG_PACK_NUM, CDRUG_PACK_ML, STATUS_CODE ) values ( 53741,
3879, '3', '2', '天冬', 1.0, 1.0, '03', '00000338',
'00000338', '2', 'QCDB44', 'Q.S.', '12', 1.0, '9,MinUnit',
'1', 1, 1.0, '9', '0001302303', 0, 0, '009999', '2021-12-23
10:07:57.0', '天冬', 1, 150, 'ACTIVE' );

...

```

#### 4. 状态:

- 在用状态的路径不能删除和修改

#### 5. 停用:

- 以cp\_id和状态为ACTIVE条件查询cp\_pat表中是否有, 有不允许删除 patcp/query/cpid/statuscode
- 将路径更新为 ABORTED cp/update/notNull

#### 6. PathwayInfoModel实体中路径描述详情类型cpDescType, 为table也的编号

- PathwayInfo.fxml

```

<TabPane fx:id="pathwayDescTabPane" prefHeight="300.0"
prefWidth="1024.0" styleClass="Navigation-Tap"
tabClosingPolicy="UNAVAILABLE">
<tabs>
<Tab id="1" fx:id="pathwayInStandardView" text="进入路径标准"/>
<Tab id="2" fx:id="diagnosisBasisView" text="诊断依据"/>
<Tab id="3" fx:id="treatmentPlanBasisView" text="治疗方案依
据"/>

<Tab id="4" fx:id="excludeConditionView" text="排除条件"/>
<Tab id="5" fx:id="outHospStandardView" text="出院标准"/>
<Tab id="6" fx:id="commonVariationView" text="常见变异"/>

```

```
</tabs>
</TabPane>
```

## 7. 路径描述信息

- 进入路径标准
  - CP\_VS\_DESC表中CP\_VS\_SUB\_TYPE（对应子类）为选中的诊断类型，字典（InCPTtype）
  - CP\_VS\_DESC表中CP\_VS\_TYPE（对应类别）取值为6中的cpDescType，为table也的编号。
  - CP\_VS\_DESC表通过CP\_ID和CP\_CODE同CP\_MAIN关联
  - CP\_VS\_DESC表的CP\_VS\_CODE为选择的诊断编码
  - 数据流：(cp\_main:cp\_vs\_desc 一对多)

```
insert into CP_VS_DESC ( ID, CP_ID, CP_CODE, CP_NAME, CP_VS_TYPE,
CP_VS_SUB_TYPE, CP_VS_CODE, CP_VS_NAME ) values ( 5670, 2671,
'CP00002841', '测试一', '1', '1', 'B07.x04', '疣' );

insert into CP_VS_DESC ( ID, CP_ID, CP_CODE, CP_NAME, CP_VS_TYPE,
CP_VS_SUB_TYPE, CP_VS_CODE, CP_VS_NAME ) values ( 5676, 2672,
'CP00002842', '测试二', '1', '1', 'L98.900x001', '结节样胶样变性' );
```

- 诊断依据
  - 插入CP\_VS\_DESC表中，CP\_VS\_TYPE（对应类别）取值为6中的cpDescType，为table也的编号2。
  - 数据流：

```
insert into CP_VS_DESC ( ID, CP_ID, CP_CODE, CP_NAME, CP_VS_TYPE,
CP_VS_NAME ) values ( 5677, 2672, 'CP00002842', '测试二', '2', '测试二诊
断依据' );
```

- 其他table页同上

## 8. 临床路径医嘱

- 路径步骤：
  - 数据流：/cp/step/insertUpdate

```
insert into CP_STEP ( ID, CP_ID, CP_CODE, CP_NAME, CP_NODE,
NODE_MAX_DAYS, CREATE_DATE ) values ( 3860, 2672, 'CP00002842', '测试
二', '阶段一', 2, '2021-12-22 10:25:38.0' );
```

- 路径步骤项目：(CP\_STEP:CP\_STEP\_ITEM 一对多)
  - 医嘱路径步骤项目
  - 数据流：新增cp/step/item/insertAndQuery
  - CP\_STEM\_TYPE表的CP\_STEP\_TYPE(步骤类别) 取9中的类型 字典 CPStepType
  - CP\_STEM\_TYPE表的CP\_STEP\_ITEM\_TYPE(步骤项目类别) 描述类1 医嘱类2 字典 CPStepItemtype

- 数据流：新增cp/step/item/insertAndQuery

```
insert into CP_STEP_ITEM ( ID, CP_STEP_ID, CP_STEP_TYPE,
CP_STEP_ITEM_TYPE, ITEM_NAME, ITEM_NO, GROUP_NO, ORDER_CLASS,
ORDER_SERVICE_CODE, DRUG_GOODS_CODE, ORDER_TYPE, USAGE, FREQUENCY,
FREQ_TIMEPOINT, DOSAGE, DOSAGE_UNIT, TREATMENT_COURSE_UNIT,
PACKAGE_NUM, PACKAGE_UNIT, SBADM_WAY, EXECUTE_ORG_CODE, IS_REQUIRED,
PRIORITY_FLAG, CREATE_USER, CREATE_DATE, CLINIC_ITEM_NAME, STATUS_CODE
) values ( 53664, 3860, '3', '2', '维生素B12片', 2.0, 2.0, '01',
'00002019', '00002019', '2', 'UABY1658', 'ONCE', '12', 25.0, '18', 'D',
100.0, '4', '01', '0001302302', 0, 0, '009999', '2021-12-22
11:19:00.0', '维生素B12片', 'ACTIVE' );
```

- 物理删除步骤：直接删除，若存在步骤项目，将步骤项目设为NULLFILD
- 逻辑删除步骤医嘱项目：将状态设为NULLFILD TEMP\_RANGE

## 9. 主要诊疗工作：

- 根据table页设置类型

```
<top>
<!--styleClass="clinic-path-way-tab"-->
<TabPane fx:id="cpInfoTabPane" tabClosingPolicy="UNAVAILABLE">
    <tabs>
        <Tab id="1" fx:id="baseInfoTab" text="基本信息维护"/>
        <Tab id="2" fx:id="orderTab" text="临床路径医嘱"/>
        <Tab id="3" fx:id="mainClinicTab" text="主要诊疗工作"/>
        <Tab id="4" fx:id="mainNursingTab" text="主要护理工作"/>
        <Tab id="5" fx:id="patInfoTab" text="患者相关说明"/>
    </tabs>
</TabPane>
</top>
```

```
类showPathwayNoteInfoCommand
String stepType = null;//CPStepType字典
switch (((Tab) getNewValue()).getId()) {
    case "3":
        stepType = "1";
        break;
    case "4":
        stepType = "2";
        break;
    case "5":
        stepType = "4";
        break;
    default:
        break;
}
```

CPStepType: 医嘱3 主要诊疗工作1 主要护理工作2 患者相关4

