ruleId 依据V2.3.1开发测试任务.xlsx

质控规则自动化测试2.3.1

### integrity.DiabetesVisit2412

一、  测试数据

select \* from tb\_empi\_index\_root where  idCardNo='310110193902060067'

1、通过身份证获取 ehrNum

ehrNum = SELECT  top 1 dm.ehrNum FROM tb\_dc\_dm\_visit AS dm

        INNER JOIN tb\_dc\_chronic\_main AS cMain

        ON dm.OrgCode = cMain.orgCode AND dm.cardId = cMain.visitNum

        INNER JOIN tb\_dc\_chronic\_info AS cInfo

        ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum

        INNER JOIN tb\_empi\_index\_root AS empi

        ON cInfo.empiGuid = empi.guid

        WHERE empi.idCardNo='310110193902060067'

2、获取 vistStatusCode 、drugName、visitId、orgCode的原值

visitId= select top 1 cardId from tb\_dc\_dm\_visit where ehrNum={ ehrNum } order by visitDate desc

orgCode =select top 1 orgCode from tb\_dc\_dm\_visit where ehrNum={ ehrNum } order by visitDate desc

新增一条数据：Insert into tb\_dc\_dm\_usedrug (guid,visitId,orgCode) values(1,{ visitId},{ orgCode})

vistStatusCode  = select top 1 vistStatusCode from tb\_dc\_dm\_visit where ehrNum={ ehrNum } order by visitDate desc

drugName = select drugName from tb\_dc\_dm\_usedrug

**二、检查点**

**同时满足以下条件：**

**1、是否失访勾选“否” 或者 随访管理状态为NULL值**

**2、药物名称为空值**

**检查点1（正向）**

**随访管理状态vistStatusCode值为Null 且 药物名称为Null**

**update tb\_dc\_dm\_visit set vistStatusCode=Null where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_usedrug  set  drugName=Null**

**检查点2（正向）**

**随访管理状态vistStatusCode值为1 且 药物名称为Null**

**update tb\_dc\_dm\_visit set vistStatusCode=1 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_usedrug  set  drugName=Null**

**检查点3（反向）**

**随访管理状态vistStatusCode值为1 且 药物名称不为Null**

**update tb\_dc\_dm\_visit set vistStatusCode=1 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_usedrug  set  drugName=’11111’**

**检查点4（反向）**

**随访管理状态vistStatusCode值为2 且 药物名称为Null**

**update tb\_dc\_dm\_visit set vistStatusCode=2 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_usedrug  set  drugName=Null**

**检查点5（反向）**

**随访管理状态vistStatusCode值为2 且 药物名称不为Null**

**update tb\_dc\_dm\_visit set vistStatusCode=2 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_usedrug  set  drugName=’1111’**

1. 执行质控命令：

curl -X GET "http://192.168.0.243:8090/healthRecordRules/rulesEngine/execute/310110193902060067" -H "accept: \*/\*" -o /dev/null -s

四、检查结果

select \* from HrRule r1 inner join HrRuleRecord r2 on r1.RuleId=r2.RuleId where r2.ArchiveNum='310110193902060067'AND r1.RuleSql=‘com.benetech.rules.modules.myrules.integrity.DiabetesVisit2412’

如果有结果表示成功，否则表示失败。

五,恢复修改前的数据

恢复 vistStatusCode 和 drugName的原值，参考步骤1

update tb\_dc\_dm\_visit set vistStatusCode=null where ehrNum='K0616970X'

update tb\_dc\_dm\_usedrug set drugName=null

### availability.DiabetesVisit3995

一、测试数据，身份证 = 310110193902060067

语句：select \* from tb\_empi\_index\_root where idCardNo='310110193902060067'

1. 初始化此表，删除里面所有的记录。

DELETE FROM tb\_dc\_dm\_usedrug

1. 新增一条测试数据

语句：insert into

tb\_dc\_dm\_usedrug(guid,visitId,orgCode) values(‘1’, { visitId },{ orgCode })

3, 从tb\_dc\_dm\_visit获取cardId和 orgCode值，更新到刚才新增的记录对应字段（visit Id，orgCode）中。

visitId ，orgCode = select top 1 cardId,orgCode from tb\_dc\_dm\_visit where ehrNum='K0616970X' order by visitDate desc

update tb\_dc\_dm\_usedrug set visitId={ visitId }

update tb\_dc\_dm\_usedrug set orgCode={ orgCode }

二、检查点

同时满足以下条件：

1、药物名称与药物类型不为空

2、药品名称与药物类型进行匹配不一致

药品名称与药物类型匹配规则，参考用“糖尿病用药列表”sheet中的药品关键字与药品类型进行匹配。

**检查点1（反向）**

**质控，无结果**

If drugName == Null and drugTypeName == Null ：

质控没有结果

**检查点2（正向）**

药品名称与药物类型进行匹配不一致

update tb\_dc\_dm\_usedrug set drugName='二甲双胍'

update tb\_dc\_dm\_usedrug set drugTypeName='中成药'

备注：遍历表格 药品分类

质控，有结果

**检查点3（反向）**

药品名称与药物类型进行匹配一致

update tb\_dc\_dm\_usedrug set drugName='二甲双胍'

update tb\_dc\_dm\_usedrug set drugTypeName='双胍类'

质控，无结果

**检查点4（反向）**

药物名称不为空，药物类型为空

update tb\_dc\_dm\_usedrug set drugName='二甲双胍'

update tb\_dc\_dm\_usedrug set drugTypeName=Null

**检查点5（反向）**

药物名称为空，药物类型不为空

update tb\_dc\_dm\_usedrug set drugName=Null

update tb\_dc\_dm\_usedrug set drugTypeName='磺脲类'

1. 执行质控命令：

curl -X GET "http://192.168.0.243:8090/healthRecordRules/rulesEngine/execute/310110193902060067" -H "accept: \*/\*" -o /dev/null -s

四、检查结果

select \* from HrRule r1 inner join HrRuleRecord r2 on r1.RuleId=r2.RuleId where r2.ArchiveNum='310110193902060067'AND r1.RuleSql='com.benetech.rules.modules.myrules. availability.DiabetesVisit3995'

如果有结果表示成功，否则表示失败。

五、恢复修改前的数据

恢复 drugTypeName和 drugName的原值，参考步骤1

update tb\_dc\_dm\_usedrug set drugName=null

update tb\_dc\_dm\_usedrug set drugTypeName=null

### traceability.DiabetesVisit3991

1. 测试数据，身份证 = 310110193902060067

1,通过身份证获取 ehrNum

ehrNum = SELECT  dm.ehrNum FROM tb\_dc\_dm\_visit AS dm

        INNER JOIN tb\_dc\_chronic\_main AS cMain

        ON dm.OrgCode = cMain.orgCode AND dm.cardId = cMain.visitNum

        INNER JOIN tb\_dc\_chronic\_info AS cInfo

        ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum

        INNER JOIN tb\_empi\_index\_root AS empi

        ON cInfo.empiGuid = empi.guid

        WHERE empi.idCardNo='310110193902060067'

2,通过身份证获取 orgCode

orgCode = SELECT  dm. orgCode FROM tb\_dc\_dm\_visit AS dm

        INNER JOIN tb\_dc\_chronic\_main AS cMain

        ON dm.OrgCode = cMain.orgCode AND dm.cardId = cMain.visitNum

        INNER JOIN tb\_dc\_chronic\_info AS cInfo

        ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum

        INNER JOIN tb\_empi\_index\_root AS empi

        ON cInfo.empiGuid = empi.guid

        WHERE empi.idCardNo='310110193902060067'

3, 初始化表，删除里面所有的记录。

DELETE FROM tb\_lis\_report

DELETE FROM tb\_lis\_report\_indicator

4，从tb\_empi\_index\_root获取guid值

empiGuid = select guid from tb\_empi\_index\_root where idCardNo='310110193902060067'

orgCode = select \* from tb\_dc\_dm\_visit where ehrNum={ehrNum}

5, 新增测试数据

语句1：

Insert into

tb\_lis\_report(guid,orgCode,empiGuid,patientId,specimenTypeCodeSystem,specimenTypeCode,specimenTypeName,reportTypeCodeSystem,reportTypeCode,reportTypeName,reportName,applyDeptCode,applyDeptName,applyDoctorCode,applyDoctorName,reportDoctorCode,reportDoctorName,applyDate,reportDate,orderNo,status,createDate,isCurrent)

values(‘1’,{orgCode},{ empiGuid },null,null,null,null,null,null,null,null,null,null,null,null,null,null,null,null,null,null,null,null)

语句2：

Insert into

tb\_lis\_report\_indicator(guid,visitStrNo,orgCode,orgName,visitType,reportNo,insItemCode,itemCodeSystem,itemCode,itemName,resultValue,resultUnit,resultFlagCodeSystem,resultFlagCode,resultFlagName,refQuality,refQuantifyLower,refQuantifyUpper,[order],status,createDate,isCurrent,empiGuid) values(‘1’,null,{ orgCode },null,null,null,null,null,null,null,null,null,null,null,null,null,null,null,null,null,null,null, { empiGuid })

语句3：

通过该语句查到cardId跟orgCode, empiGuid，reportDate拿其中一条数据得cardId跟orgCode，empiGuid 添加到新增得数据中

SELECT top 1 t4.cardId,t4.orgCode,t4.empiGuid

 FROM tb\_empi\_index\_root t1

 INNER JOIN tb\_dc\_chronic\_info t2 ON t1.guid = t2.empiGuid

 INNER JOIN tb\_dc\_chronic\_main t3 ON t2.manageNum = t3.manageNum AND t2.orgCode = t3.orgCode

 INNER JOIN tb\_dc\_dm\_visit t4 ON t3.visitNum = t4.cardId AND t3.orgCode = t4.orgCode WHERE t1.idCardNo = '310110193902060067'

语句4：新增一条上一次的随访记录

INSERT INTO tb\_dc\_dm\_visit([guid], [cardId], [name], [ehrNum], [orgCode], [visitDate], [visitWayCode], [visitWayValue], [otherVisit], [visitDocNo], [visitDocName], [visitOrgCode], [visitOrgName], [vistStatusCode], [visitStatusValue], [nextVisiDate], [lostVisitCode], [lostVisitName], [lostVisitDate], [otherLostVIsitName], [deathReason], [targetDistrictCode], [targetDistrictName], [targetOrgCode], [targetOrgName], [moveProvinceCode], [moveProvinceValue], [moveCityCode], [moveCityValue], [moveDistrictCode], [moveDistrictValue], [moveStreetCode], [moveStreetValue], [moveNeighborhoodCode], [moveNeighborhoodValue], [moveVillageValue], [moveHouseNumber], [moveOrgCode], [moveOrgName], [hasPaperCard], [isAcceptHealthEdu], [healthEduType], [clinicalSymptomsCode], [clinicalSymptomsValue], [otherClinicalSymptoms], [symptomStatus], [clinicalInfo], [sbp], [dbp], [height], [weight], [waistline], [hipline], [targetWeight], [BMI], [targetBMI], [dorsalArteryOfFootLeftCode], [dorsalArteryOfFootLeftName], [dorsalArteryOfFootRightCode], [dorsalArteryOfFootRightName], [hypoglycemia], [familyHistory], [isLawSport], [sportTypeCode], [sportTypeName], [sportFrequence], [sportTimes], [dietCode], [dietName], [stapleFood], [targetStapleFood], [smokingVolume], [drinkingVolume], [targetSportFrequencyCode], [targetSportFrequencyName], [targetSportTimes], [smokingStatusCode], [smokingStatusName], [targetSmoke], [quitSmoking], [drinkingFrequencyCode], [drinkingFrequencyName], [targetDrink], [psychologyStatusCode], [psychologyStatusName], [complianceStatusCode], [complianceStatusName], [referralReason], [referralOrgDept], [visitType], [fastingBloodSugarCode], [fastingBloodSugarName], [fastingBloodSugarValue], [fastingBloodSugarGatherCode], [fastingBloodSugarGatherName], [randomBloodSugarCode], [randomBloodSugarName], [randomBloodSugarValue], [randomBloodSugarGatherCode], [randomBloodSugarGatherName], [fastingBloodSugarOGTTCode], [fastingBloodSugarOGTTName], [fastingBloodSugarOGTTValue], [fastingBloodSugarOGTTGatherCode], [fastingBloodSugarOGTTGatherName], [twoHBloodSugarOGTTCode], [twoHBloodSugarOGTTName], [twoHBloodSugarOGTTValue], [twoHBloodSugarOGTTGatherCode], [twoHBloodSugarOGTTGatherName], [hbAlc], [hbAlcDate], [cholesterol], [triglycerides], [highCholesterol], [lowCholesterol], [acr], [urineProtein], [ghGaterWayCode], [ghGaterWayName], [drugComplianceCode], [drugComplianceName], [useDrug], [hasUseDrugSideEffects], [UseDrugSideEffects], [interveneCount], [beforeInterveneDate], [isIntervene], [syndrome], [interveneMeasures], [measuresContent], [otherInterveneMeasures], [otherMeasuresContent], [proposal], [otherProposal], [synStatus], [age], [empiGuid], [isGovernance]) VALUES ('1', efbc220ee6f340728dd22159f330dee2, '黄\*珍', 'K0616970X', '310118001', '2019-01-16 00:00:00.000', NULL, '家庭', NULL, '1015', '李\*琳', '310118001', '上海市青浦区夏阳街道社区卫生服务中心', '1', '继续随访', NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, '', NULL, NULL, NULL, NULL, NULL, NULL, '4', '30', NULL, NULL, NULL, NULL, '2', NULL, NULL, NULL, NULL, '3', NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, '1', NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, '', NULL, NULL, '', NULL, '1', NULL, '', NULL, NULL, '1', NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, '043BDCC5-D390-4403-86A4-7C035D634D4E', '1');

语句5：update tb\_lis\_report\_indicator set reportNo='123456'

update tb\_lis\_report set reportNo='123456'

"update tb\_dc\_dm\_visit set visitDate='2020-10-1' where guid='%s'" % sql[0][2]

（通过查询后得到的两条数据，将其中一条的visitDate改为早于本次随访时间的时间）

1. 规则

同时满足以下条件：

1、是否失访勾选“否” 或者 随访管理状态为NULL值

2、本次随访表《尿微量白蛋白肌酐比值》为空值

3、“一级”医院检验结果指标表《检测指标名称》中包含“ACR”或者“尿微量白蛋白肌酐比值”

4、上一次糖尿病随访日期＜检验结果指标表《报告日期》≤本次随访日期

取tb\_dc\_dm\_visit表中得visitDate字段得值：

上一次糖尿病随访日期=2020-02-14

本次随访日期=2021-05-22通过以下得语句

Select \* from tb\_dc\_dm\_visit where ehrNum={ehrNum}

检查点1（正向）,本次随访管理状态代码 = 1 ，尿微量白蛋白肌酐比值= Null，医院等级 = 1，项目名称 = ACR，检验报告日期为第一次随访日期到第二次随访日期之间

update tb\_dc\_dm\_visit set vistStatusCode=1 where ehrNum={ ehrNum }

update tb\_dc\_dm\_visit set acr=null where ehrNum={ ehrNum }'

update t\_dic\_hospital\_info set HospitalLevel=’1’ where Hospital\_id={orgCode}

update tb\_lis\_report\_indicator set itemName= ‘ACR’

update tb\_lis\_report set reportDate='2021-03-17'

检查点2（正向）, **将检查点1中的** 检验报告日期为上一次与本次随访日期之间

update tb\_lis\_report set reportDate='2021-03-17'

**检查点3（正向），将检查点1中的** 项目名称 = acr**，其余条件不变**

update tb\_lis\_report\_indicator set itemName= ‘acr’或者’尿微量白蛋白肌酐比值’

**检查点4（正向），将检查点1中的检验报告日期等于本次随访日期，其余条件不变**

update tb\_lis\_report set reportDate='2021-05-22'

检查点5（正向），**将检查点1中的 本次随访管理状态代码 = Null，其余条件不变**

update tb\_dc\_dm\_visit set vistStatusCode=null where ehrNum={ ehrNum }

检查点6（反向），将检查点1中的 本次随访管理状态代码 = 2，其余条件不变

update tb\_dc\_dm\_visit set vistStatusCode=2 where ehrNum={ ehrNum }

检查点7（反向），将检查点1中的**尿微量白蛋白肌酐比值**<> Null，其余条件不变

update tb\_dc\_dm\_visit set acr=‘111’ where ehrNum={ ehrNum }'

检查点8（反向），将检查点1中的 医院级别 = 2 ，其余条件不变

update t\_dic\_hospital\_info set HospitalLevel=’2’ where Hospital\_id={orgCode}

检查点9（反向），**将检查点1中检验报告日期等于第一次随访日期，其余条件不变**

update tb\_lis\_report set reportDate='2020-02-14'

检查点10（反向），将检查点1中检验报告日期早于第一次随访日期，其余条件不变

update tb\_lis\_report set reportDate='2020-02-12'

检查点11（反向），将检查点1中检验报告日期晚于本次随访日期，其余条件不变

update tb\_lis\_report set reportDate='2021-05-23'

1. 执行质控命令：

curl -X GET "http://192.168.0.243:8090/healthRecordRules/rulesEngine/execute/310110193902060067" -H "accept: \*/\*" -o /dev/null -s

四、检查结果

select \* from HrRule r1 inner join HrRuleRecord r2 on r1.RuleId=r2.RuleId where r2.ArchiveNum='310110193902060067'AND r1.RuleSql='com.benetech.rules.modules.myrules.traceability.DiabetesVisit3991'

如果有结果表示成功，否则表示失败。

**（备注：traceability.DiabetesVisit3989跟traceability.DiabetesVisit3990规则与traceability.DiabetesVisit3991规则一致 只是医院等级不一致）**

### traceability.DiabetesVisit2226

一、测试数据，身份证 = 310110193902060067

1,通过身份证获取 ehrNum

ehrNum = SELECT  dm.ehrNum FROM tb\_dc\_dm\_visit AS dm

        INNER JOIN tb\_dc\_chronic\_main AS cMain

        ON dm.OrgCode = cMain.orgCode AND dm.cardId = cMain.visitNum

        INNER JOIN tb\_dc\_chronic\_info AS cInfo

        ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum

        INNER JOIN tb\_empi\_index\_root AS empi

        ON cInfo.empiGuid = empi.guid

        WHERE empi.idCardNo='310110193902060067'

2,通过身份证获取 orgCode

orgCode = SELECT  dm. orgCode FROM tb\_dc\_dm\_visit AS dm

        INNER JOIN tb\_dc\_chronic\_main AS cMain

        ON dm.OrgCode = cMain.orgCode AND dm.cardId = cMain.visitNum

        INNER JOIN tb\_dc\_chronic\_info AS cInfo

        ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum

        INNER JOIN tb\_empi\_index\_root AS empi

        ON cInfo.empiGuid = empi.guid

        WHERE empi.idCardNo='310110193902060067'

3, 初始化表，删除里面所有的记录。

DELETE FROM tb\_lis\_report

DELETE FROM tb\_lis\_report\_indicator

4，从tb\_empi\_index\_root获取guid值

empiGuid = select guid from tb\_empi\_index\_root where idCardNo='310110193902060067'

orgCode = select \* from tb\_dc\_dm\_visit where **ehrNum={ ehrNum }**

5, 新增测试数据

语句1：

Insert into

tb\_lis\_report(guid,visitStrNo,orgCode,orgName,visitType,reportNo,name,empiGuid,patientId,specimenTypeCodeSystem,specimenTypeCode,specimenTypeName,reportTypeCodeSystem,reportTypeCode,reportTypeName,reportName,applyDeptCode,applyDeptName,applyDoctorCode,applyDoctorName,reportDoctorCode,reportDoctorName,applyDate,reportDate,orderNo,status,createDate,isCurrent) values(‘1’,null,{ orgCode },null,null,null,null,{ empiGuid },null,null,null,null,null,null,null,null,null,null,null,null,null,null,null,null,null,null,null,null)

语句2：

Insert into

tb\_lis\_report\_indicator(guid,visitStrNo,orgCode,orgName,visitType,reportNo,insItemCode,itemCodeSystem,itemCode,itemName,resultValue,resultUnit,resultFlagCodeSystem,resultFlagCode,resultFlagName,refQuality,refQuantifyLower,refQuantifyUpper,[order],status,createDate,isCurrent,empiGuid) values(‘1’,null,{ orgCode },null,null,null,null,null,null,null,null,null,null,null,null,null,null,null,null,null,null,null, { empiGuid })

语句3：

update tb\_lis\_report\_indicator set reportNo='123456'

update tb\_lis\_report set reportNo='123456'

1. 规则

同时满足以下条件：

1、是否失访勾选“否” 或者 随访管理状态为NULL值

2、本次糖尿病随访表《辅助检查—总胆固醇》为空值

3、一级医院检验结果指标表《检测指标名称》中包含“总胆固醇”

4、上一次糖尿病随访日期＜检验结果指标表《报告日期》≤本次随访日期

取tb\_dc\_dm\_visit表中得visitDate字段得值：

上一次糖尿病随访日期=2020-02-14

本次随访日期=2021-05-22通过以下得语句

Select \* from tb\_dc\_dm\_visit where ehrNum={ehrNum}

检查点1（正向）,本次随访管理状态代码 = 1 ，总胆固醇值 = Null，医院等级 = 1，项目名称 = 总胆固醇，检验报告日期为第一次随访日期到第二次随访日期之间

update tb\_dc\_dm\_visit set vistStatusCode=1 where ehrNum={ ehrNum }

update tb\_dc\_dm\_visit set cholesterol =null where ehrNum={ ehrNum }'

update t\_dic\_hospital\_info set HospitalLevel=’1’ where Hospital\_id={orgCode}

update tb\_lis\_report\_indicator set itemName= ‘总胆固醇’

update tb\_lis\_report set reportDate='2021-03-17'

检查点2（正向）, **将检查点1中的**检验报告日期为上一次与本次随访日期之间，**其余条件不变**

update tb\_lis\_report set reportDate='2021-03-17'

**检查点3（正向），将检查点1中的 本次随访管理状态代码 = Null，其余条件不变**

update tb\_dc\_dm\_visit set vistStatusCode=null where ehrNum={ ehrNum }

**检查点4（正向），将检查点1中的检验报告日期等于本次随访日期，其余条件不变**

update tb\_lis\_report set reportDate='2021-05-22'

检查点5（正向），将检查点1中的 本次随访管理状态代码 = 2，其余条件不变

update tb\_dc\_dm\_visit set vistStatusCode=2 where ehrNum={ ehrNum }

检查点6（反向），将检查点1中的 总胆固醇值 <> Null，其余条件不变

update tb\_dc\_dm\_visit set cholesterol =’12’ where ehrNum={ ehrNum }'

检查点7（反向），将检查点1中的 医院级别 = 2 ，其余条件不变

update t\_dic\_hospital\_info set HospitalLevel=’2’ where Hospital\_id={orgCode}

**检查点8（反向），将检查点1中检验报告日期等于第一次随访日期，其余条件不变**

update tb\_lis\_report set reportDate='2020-02-14'

检查点9（反向），将检查点1中检验报告日期早于第一次随访日期，其余条件不变

update tb\_lis\_report set reportDate='2020-02-12'

检查点10（反向），将检查点1中检验报告日期晚于本次随访日期，其余条件不变update

update tb\_lis\_report set reportDate='2021-05-23'

1. 执行质控命令：

curl -X GET "http://192.168.0.243:8090/healthRecordRules/rulesEngine/execute/310110193902060067" -H "accept: \*/\*" -o /dev/null -s

四、检查结果

select \* from HrRule r1 inner join HrRuleRecord r2 on r1.RuleId=r2.RuleId where r2.ArchiveNum='310110193902060067'ANDr1.RuleSql='310110193902060067'ANDr1.RuleSql='com.benetech.rules.modules.myrules.traceability.DiabetesVisit2226’

如果有结果表示成功，否则表示失败。

**（备注：traceability.DiabetesVisit2225跟traceability.DiabetesVisit2224规则与traceability.DiabetesVisit2226规则一致 只是医院等级不一致）**

### integrity.DiabetesVisit1944

步骤：

一、  测试数据

select \* from tb\_empi\_index\_root where  idCardNo='310110193902060067'

1、通过身份证获取 ehrNum

ehrNum = SELECT  top 1 dm.ehrNum FROM tb\_dc\_dm\_visit AS dm

        INNER JOIN tb\_dc\_chronic\_main AS cMain

        ON dm.OrgCode = cMain.orgCode AND dm.cardId = cMain.visitNum

        INNER JOIN tb\_dc\_chronic\_info AS cInfo

        ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum

        INNER JOIN tb\_empi\_index\_root AS empi

        ON cInfo.empiGuid = empi.guid

        WHERE empi.idCardNo='310110193902060067'

2、获取 vistStatusCode 和 clinicalSymptomsCode的原值

vistStatusCode  = select top 1 vistStatusCode from tb\_dc\_dm\_visit where ehrNum={ehrNum} order by visitDate desc

clinicalSymptomsCode = select top 1 clinicalSymptomsCode from tb\_dc\_dm\_visit where ehrNum={ehrNum} order by visitDate desc

二、规则：

同时满足以下条件：

1、是否失访勾选“否” 或者 随访管理状态为NULL值

2、糖尿病临床症状为空值

将tb\_dc\_dm\_visit 表中3条记录的vistStatusCode值改为1 或 null

vistStatusCode=本次随访管理状态代码

**检查点1（正向）**

**随访管理状态vistStatusCode值为Null 且**糖尿病临床症状为null

**update tb\_dc\_dm\_visit set vistStatusCode=Null where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** clinicalSymptomsCode **=Null where ehrNum={ ehrNum }**

**检查点2（正向）**

**随访管理状态vistStatusCode值为1 且**糖尿病临床症状为null

**update tb\_dc\_dm\_visit set vistStatusCode=1 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** clinicalSymptomsCode **=Null where ehrNum={ ehrNum }**

**检查点3（反向）**

**随访管理状态vistStatusCode值为1且**糖尿病临床症状不为null

**update tb\_dc\_dm\_visit set vistStatusCode=1 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** clinicalSymptomsCode **=’1’ where ehrNum={ ehrNum }**

**检查点4（反向）**

**随访管理状态vistStatusCode值为2 且**糖尿病临床症状为null

**update tb\_dc\_dm\_visit set vistStatusCode=2 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** clinicalSymptomsCode **=null where ehrNum={ ehrNum }**

**检查点5（反向）**

**随访管理状态vistStatusCode值为2 且**糖尿病临床症状不为null

**update tb\_dc\_dm\_visit set vistStatusCode=2 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** clinicalSymptomsCode **=’1‘ where ehrNum={ ehrNum }**

三、执行质控命令：

curl -X GET "http://192.168.0.243:8090/healthRecordRules/rulesEngine/execute/310110193902060067" -H "accept: \*/\*" -o /dev/null -s

四、检查结果

select \* from HrRule r1 inner join HrRuleRecord r2 on r1.RuleId=r2.RuleId where r2.ArchiveNum='310110193902060067'AND r1.RuleSql=‘com.benetech.rules.modules.myrules.integrity.DiabetesVisit1944’

如果有结果表示成功，否则表示失败。

五,恢复修改前的数据

恢复 vistStatusCode 和 BMI的原值，参考步骤1

update tb\_dc\_dm\_visit set vistStatusCode=null where ehrNum={ehrNum}

update tb\_dc\_dm\_visit set clinicalSymptomsCode =null

### integrity.DiabetesVisit2207

步骤：

类似于integrity.DiabetesVisit1944 规则

属于表：tb\_dc\_dm\_visit

遵医行为字段 complianceStatusCode

### integrity.DiabetesVisit2125

步骤：

类似于integrity.DiabetesVisit1944 规则

属于表：tb\_dc\_dm\_visit

舒张压 dbp

### integrity.DiabetesVisit2195

步骤：

类似于integrity.DiabetesVisit1944 规则

属于表：tb\_dc\_dm\_visit

饮食情况dietCode

### integrity.DiabetesVisit2148

步骤：

类似于integrity.DiabetesVisit1944 规则

属于表：tb\_dc\_dm\_visit

体质指数BMI

### integrity.DiabetesVisit1948

步骤：

类似于integrity.DiabetesVisit1944 规则

属于表：tb\_dc\_dm\_visit

足背动脉搏动dorsalArteryOfFootLeftCode

### integrity.DiabetesVisit2166

步骤：

类似于integrity.DiabetesVisit1944 规则

属于表：tb\_dc\_dm\_visit

饮酒频率 drinkingFrequencyCode

### integrity.DiabetesVisit2168

步骤：

一、  测试数据

select \* from tb\_empi\_index\_root where  idCardNo='310110193902060067'

1、通过身份证获取 ehrNum

ehrNum = SELECT  top 1 dm.ehrNum FROM tb\_dc\_dm\_visit AS dm

        INNER JOIN tb\_dc\_chronic\_main AS cMain

        ON dm.OrgCode = cMain.orgCode AND dm.cardId = cMain.visitNum

        INNER JOIN tb\_dc\_chronic\_info AS cInfo

        ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum

        INNER JOIN tb\_empi\_index\_root AS empi

        ON cInfo.empiGuid = empi.guid

        WHERE empi.idCardNo='310110193902060067'

2、获取 vistStatusCode 和 drinkingFrequencyCode和drinkingVolume的原值

vistStatusCode  = select top 1 vistStatusCode from tb\_dc\_dm\_visit where ehrNum={ehrNum} order by visitDate desc

drinkingFrequencyCode= select top 1 drinkingFrequencyCode from tb\_dc\_dm\_visit where ehrNum={ehrNum} order by visitDate desc

drinkingVolume = select top 1 drinkingVolume from tb\_dc\_dm\_visit where ehrNum={ehrNum} order by visitDate desc

二、规则：

同时满足以下条件：

1、是否失访勾选“否” 或者 随访管理状态为NULL值

2、饮酒频率未勾选“从不” 或者饮酒频率为NULL值

3、日饮酒量为空值

备注：饮酒频率 1.从不；2.偶尔；3.经常；4.每天

将tb\_dc\_dm\_visit 表中3条记录的vistStatusCode值改为1（否） 或 null

vistStatusCode=本次随访管理状态代码

**检查点1（正向）**

**随访管理状态vistStatusCode值为Null 且**饮酒频率为NULL，日饮酒量为NULL

**update tb\_dc\_dm\_visit set vistStatusCode=Null where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** drinkingFrequencyCode **=Null where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** drinkingVolume **=Null where ehrNum={ ehrNum }**

**检查点2（正向）**

**随访管理状态vistStatusCode值为1，且**饮酒频率为NULL，日饮酒量为NULL

**update tb\_dc\_dm\_visit set vistStatusCode=1 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** drinkingFrequencyCode **=Null where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** drinkingVolume **=Null where ehrNum={ ehrNum }**

**检查点3（正向）**

**随访管理状态vistStatusCode值为1，**饮酒频率为2，日饮酒量为NULL

**update tb\_dc\_dm\_visit set vistStatusCode=1 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** drinkingFrequencyCode **=2 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** drinkingVolume **=Null where ehrNum={ ehrNum }**

**检查点4（反向）**

**随访管理状态vistStatusCode值为1，**饮酒频率为1，日饮酒量为NULL

**update tb\_dc\_dm\_visit set vistStatusCode=1 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** drinkingFrequencyCode **=1 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** drinkingVolume **=Null where ehrNum={ ehrNum }**

**检查点5（反向）**

**随访管理状态vistStatusCode值为2,**饮酒频率为2，日饮酒量为NULL

**update tb\_dc\_dm\_visit set vistStatusCode=2 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** drinkingFrequencyCode **=2 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** drinkingVolume **=Null where ehrNum={ ehrNum }**

**检查点6（反向）**

**随访管理状态vistStatusCode值为1，**饮酒频率为2，日饮酒量<>null

**update tb\_dc\_dm\_visit set vistStatusCode=1 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** drinkingFrequencyCode **=2 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** drinkingVolume **=’11’ where ehrNum={ ehrNum }**

**检查点7（反向）**

**随访管理状态vistStatusCode值为2，**饮酒频率为1，日饮酒量<>null

**update tb\_dc\_dm\_visit set vistStatusCode=2where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** drinkingFrequencyCode **=1 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** drinkingVolume **=’11’ where ehrNum={ ehrNum }**

三、执行质控命令：

curl -X GET "http://192.168.0.243:8090/healthRecordRules/rulesEngine/execute/310110193902060067" -H "accept: \*/\*" -o /dev/null -s

四、检查结果

select \* from HrRule r1 inner join HrRuleRecord r2 on r1.RuleId=r2.RuleId where r2.ArchiveNum='310110193902060067'AND r1.RuleSql=‘com.benetech.rules.modules.myrules. integrity.DiabetesVisit2168’

如果有结果表示成功，否则表示失败。

五,恢复修改前的数据

恢复 vistStatusCode 和 drinkingFrequencyCode和drinkingVolume的原值

update tb\_dc\_dm\_visit set vistStatusCode=null where ehrNum={ehrNum}

update tb\_dc\_dm\_visit set drinkingFrequencyCode=null where ehrNum={ehrNum}

update tb\_dc\_dm\_visit set drinkingVolume=null where ehrNum={ehrNum}

### normative.DiabetesVisit2238

步骤：

一、  测试数据

select \* from tb\_empi\_index\_root where  idCardNo='310110193902060067'

1、通过身份证获取 ehrNum

ehrNum = SELECT  top 1 dm.ehrNum FROM tb\_dc\_dm\_visit AS dm

        INNER JOIN tb\_dc\_chronic\_main AS cMain

        ON dm.OrgCode = cMain.orgCode AND dm.cardId = cMain.visitNum

        INNER JOIN tb\_dc\_chronic\_info AS cInfo

        ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum

        INNER JOIN tb\_empi\_index\_root AS empi

        ON cInfo.empiGuid = empi.guid

        WHERE empi.idCardNo='310110193902060067'

2、获取complianceStatusName和drugComplianceCode的原值

complianceStatusName= select top 1 complianceStatusName from tb\_dc\_dm\_visit where ehrNum={ehrNum} order by visitDate desc

drugComplianceCode= select top 1 drugComplianceCode from tb\_dc\_dm\_visit where ehrNum={ehrNum} order by visitDate desc

备注：complianceStatusCode遵医行为（1 - 良好2 - 一般3 - 差）drugComplianceCode药物依从性代码（1.规律；2.间断；3.不服药）

二、规则：

同时满足以下条件：

1、遵医行为勾选“差”

2、服药依从性勾选“规律”

**检查点1（正向）**

遵医行为勾选“差”**且** 服药依从性勾选“规律”

**update  tb\_dc\_dm\_visit set** complianceStatusCode **=3 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** drugComplianceCode**=1 where ehrNum={ ehrNum }**

**检查点2（反向）**

遵医行为勾选“良好”**且** 服药依从性勾选“规律”

**update  tb\_dc\_dm\_visit set** complianceStatusCode**=1 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** drugComplianceCode**=1 where ehrNum={ ehrNum }**

**检查点3（反向）**

遵医行为勾选“一般”**且** 服药依从性勾选“规律”

**update  tb\_dc\_dm\_visit set** complianceStatusCode**=2 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** drugComplianceCode**=1 where ehrNum={ ehrNum }**

**检查点4（反向）**

遵医行为勾选“差”**且** 服药依从性勾选“间断”

**update  tb\_dc\_dm\_visit set** complianceStatusCode**=3 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** drugComplianceCode**=2 where ehrNum={ ehrNum }**

**检查点5（反向）**

遵医行为勾选“差”**且** 服药依从性勾选“不服药”

**update  tb\_dc\_dm\_visit set** complianceStatusCode**=3 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** drugComplianceCode**=3 where ehrNum={ ehrNum }**

**检查点6（反向）**

遵医行为勾选“良好”**且** 服药依从性勾选“间断”

**update  tb\_dc\_dm\_visit set** complianceStatusCode**=1 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** drugComplianceCode**=2 where ehrNum={ ehrNum }**

**检查点7（反向）**

遵医行为勾选“良好”**且** 服药依从性勾选“不服药”

**update  tb\_dc\_dm\_visit set** complianceStatusCode**=1 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** drugComplianceCode**=3 where ehrNum={ ehrNum }**

**检查点8（反向）**

遵医行为勾选“一般”**且** 服药依从性勾选“间断”

**update  tb\_dc\_dm\_visit set** complianceStatusCode**=2 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** drugComplianceCode**=2 where ehrNum={ ehrNum }**

**检查点9（反向）**

遵医行为勾选“一般”**且** 服药依从性勾选“不服药”

**update  tb\_dc\_dm\_visit set** complianceStatusCode**=2 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** drugComplianceCode**=3 where ehrNum={ ehrNum }**

三、执行质控命令：

curl -X GET "http://192.168.0.243:8090/healthRecordRules/rulesEngine/execute/310110193902060067" -H "accept: \*/\*" -o /dev/null -s

四、检查结果

select \* from HrRule r1 inner join HrRuleRecord r2 on r1.RuleId=r2.RuleId where r2.ArchiveNum='310110193902060067'AND r1.RuleSql=‘com.benetech.rules.modules.myrules. normative.DiabetesVisit2238’

如果有结果表示成功，否则表示失败。

五,恢复修改前的数据

恢复 complianceStatusName和drugComplianceCode的原值

update tb\_dc\_dm\_visit set complianceStatusName=null where ehrNum={ehrNum}

update tb\_dc\_dm\_visit set drugComplianceCode=null where ehrNum={ehrNum}

### integrity.DiabetesVisit2236

步骤：

类似于integrity.DiabetesVisit1944 规则

属于表：tb\_dc\_dm\_visit

服药依从性字段drugComplianceCode

### integrity.DiabetesVisit2116

步骤：

类似于integrity.DiabetesVisit1944 规则

属于表：tb\_dc\_dm\_visit

糖尿病家族史字段familyHistory

### normative.DiabetesVisit4225

步骤：

类似于integrity.DiabetesVisit1944 规则

属于表：tb\_dc\_dm\_visit

糖化血红蛋白字段hbAlc

### traceability.DiabetesVisit3988

步骤：

类似于traceability.DiabetesVisit3991规则

属于表：tb\_dc\_dm\_visit

糖化血红蛋白字段hbAlc

itemName=’ HBA1c或者糖化血红蛋白’

**（备注：traceability.DiabetesVisit3987跟traceability.DiabetesVisit3986规则与traceability.DiabetesVisit3991规则一致 只是医院等级不一致）**

### integrity.DiabetesVisit2239

步骤：

类似于integrity.DiabetesVisit1944 规则

属于表：tb\_dc\_dm\_visit

药物不良反应字段hasUseDrugSideEffects

### integrity.DiabetesVisit2133

步骤：

类似于integrity.DiabetesVisit1944 规则

属于表：tb\_dc\_dm\_visit

身高字段height

### integrity.DiabetesVisit2427

步骤：

一、  测试数据

select \* from tb\_empi\_index\_root where  idCardNo='310110193902060067'

1、通过身份证获取 ehrNum

ehrNum = SELECT  top 1 dm.ehrNum FROM tb\_dc\_dm\_visit AS dm

        INNER JOIN tb\_dc\_chronic\_main AS cMain

        ON dm.OrgCode = cMain.orgCode AND dm.cardId = cMain.visitNum

        INNER JOIN tb\_dc\_chronic\_info AS cInfo

        ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum

        INNER JOIN tb\_empi\_index\_root AS empi

        ON cInfo.empiGuid = empi.guid

        WHERE empi.idCardNo='310110193902060067'

备注：isAcceptHealthEdu是否接受过健康教育（1 - 是2 - 否）

healthEduType 接受健康教育形式（1：电话；2：讲座；3：资料发放；4：现场活动；5面对面咨询；6：观看视频；7：网络；8：其他）

2、获取isAcceptHealthEdu和healthEduType 的原值

isAcceptHealthEdu= select top 1 isAcceptHealthEdu from tb\_dc\_dm\_visit where ehrNum={ehrNum} order by visitDate desc

healthEduType = select top 1 healthEduType from tb\_dc\_dm\_visit where ehrNum={ehrNum} order by visitDate desc

二、规则：

同时满足以下条件：

1、是否接受过健康教育勾选“是” 或者是否接受过健康教育为NULL值

2、接受过何种形式的健康教育为空值

**检查点1（正向）**

是否接受过健康教育为1**且**接受过何种形式的健康教育为NULL值

**update  tb\_dc\_dm\_visit set** isAcceptHealthEdu **=1 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** healthEduType **=null where ehrNum={ ehrNum }**

**检查点2（正向）**

是否接受过健康教育为NULL值**且**接受过何种形式的健康教育为NULL值

**update  tb\_dc\_dm\_visit set** isAcceptHealthEdu **=null where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** healthEduType **=null where ehrNum={ ehrNum }**

**检查点3（反向）**

是否接受过健康教育为2值**且**接受过何种形式的健康教育为NULL值

**update  tb\_dc\_dm\_visit set** isAcceptHealthEdu **=2 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** healthEduType **=null where ehrNum={ ehrNum }**

**检查点4（反向）**

是否接受过健康教育为1值**且**接受过何种形式的健康教育不为NULL值

**update  tb\_dc\_dm\_visit set** isAcceptHealthEdu **=1 where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** healthEduType **=1 where ehrNum={ ehrNum }**

**检查点5（反向）**

是否接受过健康教育为null值**且**接受过何种形式的健康教育不为NULL值

**update  tb\_dc\_dm\_visit set** isAcceptHealthEdu **=null where ehrNum={ ehrNum }**

**update  tb\_dc\_dm\_visit set** healthEduType **=1 where ehrNum={ ehrNum }**

三、执行质控命令：

curl -X GET "http://192.168.0.243:8090/healthRecordRules/rulesEngine/execute/310110193902060067" -H "accept: \*/\*" -o /dev/null -s

四、检查结果

select \* from HrRule r1 inner join HrRuleRecord r2 on r1.RuleId=r2.RuleId where r2.ArchiveNum='310110193902060067'AND r1.RuleSql=‘com.benetech.rules.modules.myrules. normative.DiabetesVisit2238’

如果有结果表示成功，否则表示失败。

### integrity.DiabetesVisit2114

步骤：

类似于integrity.DiabetesVisit1944 规则

属于表：tb\_dc\_dm\_visit

低糖反应 字段hypoglycemia

### integrity.DiabetesVisit2425

步骤：

类似于integrity.DiabetesVisit1944 规则

属于表：tb\_dc\_dm\_visit

是否接受过健康教育 字段isAcceptHealthEdu

### integrity.DiabetesVisit2118

步骤：

类似于integrity.DiabetesVisit1944 规则

属于表：tb\_dc\_dm\_visit

规律活动 字段isLawSport

### integrity.DiabetesVisit2432

步骤：

类似于integrity.DiabetesVisit1944 规则

属于表：tb\_dc\_dm\_visit

下次随访日期 字段nextVisiDate

时间格式如“2021-01-21”

### integrity.DiabetesVisit2205

步骤：

类似于integrity.DiabetesVisit1944 规则

属于表：tb\_dc\_dm\_visit

心理调整 字段psychologyStatusCode

### integrity.DiabetesVisit2124

步骤：

类似于integrity.DiabetesVisit1944 规则

属于表：tb\_dc\_dm\_visit

收缩压 字段sbp

### integrity.DiabetesVisit2154

步骤：

类似于integrity.DiabetesVisit1944 规则

属于表：tb\_dc\_dm\_visit

吸烟状况 字段smokingStatusCode

### integrity.DiabetesVisit2176

步骤：

类似于integrity.DiabetesVisit1944 规则

属于表：tb\_dc\_dm\_visit

每周运动次数 字段sportFrequence

### integrity.DiabetesVisit2185

步骤：

类似于integrity.DiabetesVisit1944 规则

属于表：tb\_dc\_dm\_visit

每次运动时间 字段sportTimes

时间格式如“2021-01-21”

### integrity.DiabetesVisit2197

步骤：

类似于integrity.DiabetesVisit1944 规则

属于表：tb\_dc\_dm\_visit

主食 字段stapleFood

### integrity.DiabetesVisit4442

步骤：

类似于integrity.DiabetesVisit1944 规则

属于表：tb\_dc\_dm\_visit

糖尿病新诊断并发症 字段symptomStatus

### integrity.DiabetesVisit2201

步骤：

类似于integrity.DiabetesVisit1944 规则

属于表：tb\_dc\_dm\_visit

目标主食 字段targetStapleFood

### integrity.DiabetesVisit1939

步骤：

类似于integrity.DiabetesVisit1944 规则

属于表：tb\_dc\_dm\_visit

随访日期 字段visitDate

时间格式如“2021-01-21”

### integrity.DiabetesVisit2242

步骤：

类似于integrity.DiabetesVisit1944 规则

属于表：tb\_dc\_dm\_visit

此次随访分类 字段visitType

### integrity.DiabetesVisit2138

步骤：

类似于integrity.DiabetesVisit1944 规则

属于表：tb\_dc\_dm\_visit

体重 字段weight

### traceability.DiabetesVisit2229

步骤：

类似于traceability.DiabetesVisit3991规则

属于表：tb\_dc\_dm\_visit

血清高密度脂蛋白胆固醇 字段highCholesterol

itemName=’高密度脂蛋白’

**（备注：traceability.DiabetesVisit2227跟traceability.DiabetesVisit2228规则与traceability.DiabetesVisit3991规则一致 只是医院等级不一致）**

### traceability.DiabetesVisit2232

步骤：

类似于traceability.DiabetesVisit3991规则

属于表：tb\_dc\_dm\_visit

血清低密度脂蛋白胆固醇 字段lowCholesterol

itemName=’ 低密度脂蛋白’

**（备注：traceability.DiabetesVisit2230跟traceability.DiabetesVisit2231规则与traceability.DiabetesVisit3991规则一致 只是医院等级不一致）**

### integrity.HypertensionVisit1497

身份证：31011019371125044X

一、检查点

同时满足以下条件：

1、是否失访勾选“否” 或者随访管理状态为NULL值

2、是否有纸质卡为空值

将tb\_dc\_htn\_visit 表中2条记录的vistStatusCode值改为1 或 null或空字符

**检查点1（正向）**

随访管理状态为null ，且是否有纸质卡null

UPDATE tb\_dc\_htn\_visit SET vistStatusCode = null, hasPaperCard = null FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

**检查点2（正向）**

随访管理状态为1，且是否有纸质卡null

UPDATE tb\_dc\_htn\_visit SET vistStatusCode = ‘1’ ROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

UPDATE tb\_dc\_htn\_visit SET hasPaperCard = null ROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

**检查点3（反向）**

随访管理状态为1，且是否有纸质卡为 非null

UPDATE tb\_dc\_htn\_visit SET vistStatusCode = ‘1’ FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

UPDATE tb\_dc\_htn\_visit SET hasPaperCard = ‘1’ FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

**检查点4（反向）**

随访管理状态为2，且是否有纸质卡null

UPDATE tb\_dc\_htn\_visit SET vistStatusCode = 2 FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

UPDATE tb\_dc\_htn\_visit SET hasPaperCard = null FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

**检查点5（反向）**

随访管理状态为2，且是否有纸质卡为 非null

UPDATE tb\_dc\_htn\_visit SET vistStatusCode = ‘2’ FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

UPDATE tb\_dc\_htn\_visit SET hasPaperCard = ‘1’ FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

二、执行质控命令：

curl -X GET "http://192.168.0.243:8090/healthRecordRules/rulesEngine/execute/'31011019371125044X'" -H "accept: \*/\*" -o /dev/null -s

三、检查结果

select \* from HrRule r1 inner join HrRuleRecord r2 on r1.RuleId=r2.RuleId where r2.ArchiveNum='31011019371125044X'AND r1.RuleSql=‘com.benetech.rules.modules.myrules.integrity.HypertensionVisit1497’

如果有结果表示成功，否则表示失败。

### integrity.HypertensionVisit1910

身份证：31011019371125044X

一、检查点：

同时满足以下条件：

1、是否接受过健康教育勾选“是” 或者是否接受过健康教育为NULL值

2、接受过何种形式的健康教育为空值

备注：isAcceptHealthEdu是否接受过健康教育（1 - 是2 - 否）

healthEduType 接受健康教育形式（1：电话；2：讲座；3：资料发放；4：现场活动；5面对面咨询；6：观看视频；7：网络；8：其他）

**检查点1（正向）**

是否接受过健康教育为1**且**接受过何种形式的健康教育为NULL值

UPDATE tb\_dc\_htn\_visit SET isAcceptHealthEdu = 1 FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

UPDATE tb\_dc\_htn\_visit SET healthEduType = NULL FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

**检查点2（正向）**

是否接受过健康教育为NULL值**且**接受过何种形式的健康教育为NULL值

UPDATE tb\_dc\_htn\_visit SET isAcceptHealthEdu = NULL FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

UPDATE tb\_dc\_htn\_visit SET healthEduType = NULL FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

**检查点3（反向）**

是否接受过健康教育为2值**且**接受过何种形式的健康教育为NULL值

UPDATE tb\_dc\_htn\_visit SET isAcceptHealthEdu = 2 FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

UPDATE tb\_dc\_htn\_visit SET healthEduType = NULL FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

**检查点4（反向）**

是否接受过健康教育为1值**且**接受过何种形式的健康教育不为NULL值

UPDATE tb\_dc\_htn\_visit SET isAcceptHealthEdu = 1 FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

UPDATE tb\_dc\_htn\_visit SET healthEduType = 1 FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

**检查点5（反向）**

是否接受过健康教育为null值**且**接受过何种形式的健康教育不为NULL值

UPDATE tb\_dc\_htn\_visit SET isAcceptHealthEdu = NULL FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

UPDATE tb\_dc\_htn\_visit SET healthEduType = 1 FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

二、执行质控命令：

curl -X GET "http://192.168.0.243:8090/healthRecordRules/rulesEngine/execute/'31011019371125044X'" -H "accept: \*/\*" -o /dev/null -s

三、检查结果

select \* from HrRule r1 inner join HrRuleRecord r2 on r1.RuleId=r2.RuleId where r2.ArchiveNum='31011019371125044X'AND r1.RuleSql=‘com.benetech.rules.modules.myrules.integrity.HypertensionVisit1910’

如果有结果表示成功，否则表示失败。

### traceability.HypertensionVisit3629

身份证：31011019371125044X

一、测试数据：

语句1：

empiGudi,orgCode = SELECT htn.empiGuid,htn.orgCode FROM tb\_dc\_htn\_visit AS htn inner join tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X'

2、 初始化表，删除里面所有的记录。

DELETE FROM  tb\_lis\_report

DELETE FROM  tb\_lis\_report\_indicator

语句2：

insert into tb\_lis\_report (guid,orgCode,reportNo,empiGuid,specimenTypeName,reportDate) values ('2',{ orgCode },'111112',{ empiGudi},'血','2021-06-01 16:43:08.000')

insert into tb\_lis\_report\_indicator (guid,orgCode,reportNo,itemName,empiGuid) values ('2',{ orgCode},'111112','白细胞',{ empiGudi })

二、检查点

同时满足以下条件：

1、是否失访勾选“否” 或者 随访管理状态为NULL值

2、本次高血压随访表《辅助检查—白细胞》为空值

3、一级医院检验结果指标表《检测指标名称》中包含“白细胞”且 检验报告表的《标本类型名称》包括“血”

4、上一次高血压随访日期＜检验结果指标表《报告日期》≤本次随访日期

检查点1（正向）,本次随访管理状态代码 = 1 ，白细胞= Null，医院等级 = 1，项目名称 =白细胞且标本类型名称=血，检验报告日期为上一次与本次随访日期之间

update tb\_dc\_htn\_visit SET vistStatusCode = 1, hemameba= null FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

update t\_dic\_hospital\_info set HospitalLevel=’1’ where Hospital\_id={orgCode}

update tb\_lis\_report\_indicator set itemName= ‘白细胞’

update tb\_lis\_report set specimenTypeName= ‘血’ and reportDate='1990-09-06'

检查点2（正向）**将检查点1中的**本次随访管理状态代码 = null**，其余条件不变**

update tb\_dc\_htn\_visit SET vistStatusCode = null FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

**检查点3（正向），将检查点1中的检验报告日期等于本次随访日期，其余条件不变**

update tb\_lis\_report set reportDate='1990-09-14'

检查点4（反向），将检查点1中的 本次随访管理状态代码 = 2，其余条件不变

update tb\_dc\_htn\_visit SET vistStatusCode =2 FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

检查点5（反向），将检查点1中的白细胞<> Null，其余条件不变

update tb\_dc\_htn\_visit SET hemameba=’11’ FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

检查点6（反向）将检查点1中的 医院级别 = 2 ，其余条件不变

update t\_dic\_hospital\_info set HospitalLevel=’2’ where Hospital\_id={orgCode}

检查点7（反向）**将检查点1中检验报告日期等于上一次随访日期，其余条件不变**

update tb\_lis\_report set reportDate='1990-09-01'

检查点8（反向）将检查点1中检验报告日期晚于本次随访日期，其余条件不变

update tb\_lis\_report set reportDate='1990-09-15'

检查点9（反向）项目名称 =白细胞且标本类型名称<>血，其余条件不变

update tb\_lis\_report\_indicator set itemName= ‘白细胞’

update tb\_lis\_report set specimenTypeName= ‘11’

检查点10（反向）项目名称 <>白细胞且标本类型名称=血，其余条件不变

update tb\_lis\_report\_indicator set itemName= ‘11’

update tb\_lis\_report set specimenTypeName= ‘血’

检查点11（反向）项目名称 <>白细胞且标本类型名称<>血，其余条件不变

update tb\_lis\_report\_indicator set itemName= ‘11’

update tb\_lis\_report set specimenTypeName= ‘11’

二、执行质控命令：

curl -X GET "http://192.168.0.243:8090/healthRecordRules/rulesEngine/execute/'31011019371125044X'" -H "accept: \*/\*" -o /dev/null -s

三、检查结果

select \* from HrRule r1 inner join HrRuleRecord r2 on r1.RuleId=r2.RuleId where r2.ArchiveNum='31011019371125044X'AND

r1.RuleSql=‘com.benetech.rules.modules.myrules. traceability.HypertensionVisit3629’

如果有结果表示成功，否则表示失败。

**（备注：**traceability.HypertensionVisit3627**跟**traceability.HypertensionVisit3628**规则与traceability.DiabetesVisit3991规则一致 只是医院等级不一致）**

### traceability.HypertensionVisit3626

身份证：31011019371125044X

一、测试数据：

语句1：

empiGudi,orgCode = SELECT htn.empiGuid,htn.orgCode FROM tb\_dc\_htn\_visit AS htn inner join tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X'

2、 初始化表，删除里面所有的记录。

DELETE FROM  tb\_lis\_report

DELETE FROM  tb\_lis\_report\_indicator

语句2：

insert into tb\_lis\_report (guid,orgCode,reportNo,empiGuid,specimenTypeName,reportDate) values ('2',{ orgCode },'111112',{ empiGudi},'血','2021-06-01 16:43:08.000')

insert into tb\_lis\_report\_indicator (guid,orgCode,reportNo,itemName,empiGuid) values ('2',{ orgCode},'111112','白细胞',{ empiGudi })

二、检查点

同时满足以下条件：

1、是否失访勾选“否” 或者随访管理状态为NULL值

2、本次高血压随访表《辅助检查—血红蛋白》为空值

3、一级医院检验结果指标表《检测指标名称》中包含“血红蛋白”且不包含“糖化血红蛋白”

4、上一次高血压随访日期＜检验结果指标表《报告日期》≤本次随访日期

检查点1（正向）,本次随访管理状态代码 = 1 ，血红蛋白= Null，医院等级 = 1，项目名称包含“血红蛋白”且不包含“糖化血红蛋白”，检验报告日期为上一次与本次随访日期之间

update tb\_dc\_htn\_visit SET vistStatusCode = 1, hemoglobin= null FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

update t\_dic\_hospital\_info set HospitalLevel=’1’ where Hospital\_id={orgCode}

update tb\_lis\_report\_indicator set itemName= ‘血红蛋白’

update tb\_lis\_report set reportDate=' 2020-06-06'

检查点2（正向）**将检查点1中的**本次随访管理状态代码 = null**，其余条件不变**

update tb\_dc\_htn\_visit SET vistStatusCode = null FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

**检查点3（正向），将检查点1中的检验报告日期等于本次随访日期，其余条件不变**

update tb\_lis\_report set reportDate='2021-09-07'

检查点4（反向），将检查点1中的 本次随访管理状态代码 = 2，其余条件不变

update tb\_dc\_htn\_visit SET vistStatusCode =2 FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

检查点5（反向），将检查点1中的血红蛋白<> Null，其余条件不变

update tb\_dc\_htn\_visit SET hemoglobin=’11’ FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

检查点6（反向）将检查点1中的 医院级别 = 2 ，其余条件不变

update t\_dic\_hospital\_info set HospitalLevel=’2’ where Hospital\_id={orgCode}

检查点7（反向）**将检查点1中检验报告日期等于上一次随访日期，其余条件不变**

update tb\_lis\_report set reportDate=' 2020-01-14'

检查点8（反向）将检查点1中检验报告日期晚于本次随访日期，其余条件不变

update tb\_lis\_report set reportDate=' 2021-09-08'

检查点9（反向）项目名称包含“血红蛋白”且包含“糖化血红蛋白”，其余条件不变

update tb\_lis\_report\_indicator set itemName= ‘糖化血红蛋白’

检查点10（反向）项目名称不包含“血红蛋白”且不包含“糖化血红蛋白”，其余条件不变

update tb\_lis\_report\_indicator set itemName= ‘11’

二、执行质控命令：

curl -X GET "http://192.168.0.243:8090/healthRecordRules/rulesEngine/execute/'31011019371125044X'" -H "accept: \*/\*" -o /dev/null -s

三、检查结果

select \* from HrRule r1 inner join HrRuleRecord r2 on r1.RuleId=r2.RuleId where r2.ArchiveNum='31011019371125044X'AND

r1.RuleSql=‘com.benetech.rules.modules.myrules. traceability.HypertensionVisit3629’

如果有结果表示成功，否则表示失败。

**（备注：**traceability.HypertensionVisit3627**跟**traceability.HypertensionVisit3628**规则与traceability.DiabetesVisit3991规则一致 只是医院等级不一**

### traceability.HypertensionVisit1836

身份证：31011019371125044X

步骤：

类似于traceability.DiabetesVisit3991规则

属于表：tb\_dc\_htn\_visit

高密度脂蛋白值 字段highCholesterol

itemName=’高密度脂蛋白’

**（备注：**traceability.HypertensionVisit1834**跟**traceability.HypertensionVisit1835**规则与**traceability.HypertensionVisit1836**规则一致 只是医院等级不一致）**

### traceability.HypertensionVisit3653

身份证：31011019371125044X

步骤：

类似于traceability.DiabetesVisit3991规则

属于表：tb\_dc\_htn\_visit

同型半胱氨酸检测 字段homocysteineDetection

itemName=’同型半胱氨酸’

**（备注：traceability.HypertensionVisit3651跟traceability.HypertensionVisit3652规则与traceability.HypertensionVisit3653规则一致 只是医院等级不一致）**

### traceability.HypertensionVisit3672

身份证：31011019371125044X

一、测试数据：

语句1：

empiGudi,orgCode = SELECT htn.empiGuid,htn.orgCode FROM tb\_dc\_htn\_visit AS htn inner join tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X'

2、 初始化表，删除里面所有的记录。

DELETE FROM  tb\_lis\_report

DELETE FROM  tb\_lis\_report\_indicator

语句2：

insert into tb\_lis\_report (guid,orgCode,reportNo,empiGuid,specimenTypeName,reportDate) values ('2',{ orgCode },'111112',{ empiGudi},'血','2021-06-01 16:43:08.000')

insert into tb\_lis\_report\_indicator (guid,orgCode,reportNo,itemName,empiGuid) values ('2',{ orgCode},'111112','白细胞',{ empiGudi })

一、检查点

同时满足以下条件：

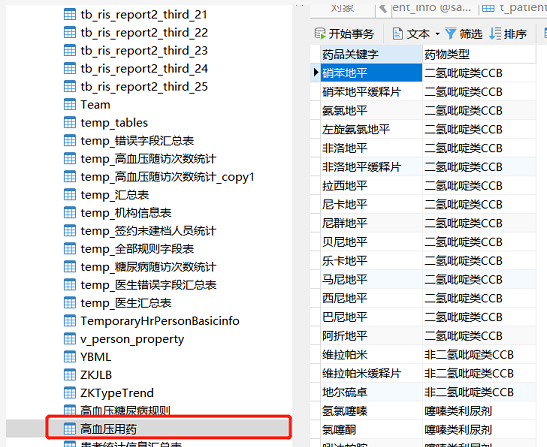
1、是否失访勾选“否” 或者随访管理状态为NULL值

2、是否服药勾选“否” 或者是否服药为NULL值（是否服药 1-是、2-否）

3、一级医院门诊处方明细表《项目名称》属于“高血压用药列表”中的药品

4、上一次高血压随访日期＜门诊处方明细表《开方时间》≤本次随访日期

高血压用药匹配规则：

1. 用“高血压用药列表”sheet中的药品关键字匹配，此表为数据库里得表

检查点1（正向）,本次随访管理状态代码 = 1 ，是否服药=1，医院等级 = 1，项目名称属于“高血压用药列表”中的药品=’硝苯地平’，检验报告日期为上一次与本次随访日期之间

update tb\_dc\_htn\_visit SET vistStatusCode = 1, isUseDrug= 2 FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

update t\_dic\_hospital\_info set HospitalLevel=’1’ where Hospital\_id={orgCode}

update tb\_lis\_report\_indicator set itemName= ‘硝苯地平’

update tb\_lis\_report set reportDate=' 2020-06-06'

检查点2（正向）**将检查点1中的**本次随访管理状态代码 = null**，其余条件不变**

update tb\_dc\_htn\_visit SET vistStatusCode = null FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

检查点3（正向）**将检查点1中的**是否服药为NULL值**，其余条件不变**

update tb\_dc\_htn\_visit SET isUseDrug= null FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

**检查点4（正向），将检查点1中的检验报告日期等于本次随访日期，其余条件不变**

update tb\_lis\_report set reportDate='2021-09-07'

检查点5（反向）**将检查点1中的**本次随访管理状态代码=2**，其余条件不变**

update tb\_dc\_htn\_visit SET vistStatusCode = 2 FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

检查点6（反向）**将检查点1中的**是否服药=1值**，其余条件不变**

update tb\_dc\_htn\_visit SET isUseDrug= 1 FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

检查点7（反向）将检查点1不属于“高血压用药列表”中的药品，项目名称=’111’ **，其余条件不变**

update tb\_lis\_report\_indicator set itemName= ‘111’

检查点8（反向）**将检查点1中检验报告日期等于上一次随访日期，其余条件不变**

update tb\_lis\_report set reportDate=' 2020-01-14'

检查点9（反向）将检查点1中检验报告日期晚于本次随访日期，其余条件不变

update tb\_lis\_report set reportDate=' 2021-09-08'

检查点10（反向）将检查点1中的 医院级别 = 2 ，其余条件不变

update t\_dic\_hospital\_info set HospitalLevel=’2’ where Hospital\_id={orgCode}

二、执行质控命令：

curl -X GET "http://192.168.0.243:8090/healthRecordRules/rulesEngine/execute/'31011019371125044X'" -H "accept: \*/\*" -o /dev/null -s

三、检查结果

select \* from HrRule r1 inner join HrRuleRecord r2 on r1.RuleId=r2.RuleId where r2.ArchiveNum='31011019371125044X'AND

r1.RuleSql=‘com.benetech.rules.modules.myrules. traceability.HypertensionVisit3672’

如果有结果表示成功，否则表示失败。

**（备注：**traceability.HypertensionVisit3670**跟**traceability.HypertensionVisit3671**规则与**traceability.HypertensionVisit3672**规则一致 只是医院等级不一**

### normative.HypertensionVisit1858

同时满足以下条件：

1、药物不良反应勾选“有”

2、具体药物不良反应为空值

备注：lawSideEffectsFlag 药物不良反应。（1-有，2-无）

lawSideEffects 具体药物不良反应

**检查点1（正向）**

药物不良反应=1**且**具体药物不良反应为NULL值

UPDATE tb\_dc\_htn\_visit SET lawSideEffectsFlag = 1 FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

UPDATE tb\_dc\_htn\_visit SET lawSideEffects = NULL FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

**检查点2（反向）**

药物不良反应=1**且**具体药物不良反应=’1’

UPDATE tb\_dc\_htn\_visit SET lawSideEffectsFlag = 1 FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

UPDATE tb\_dc\_htn\_visit SET lawSideEffects = ‘1’ FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

**检查点4（反向）**

药物不良反应=2**且**具体药物不良反应=null

UPDATE tb\_dc\_htn\_visit SET lawSideEffectsFlag = 2FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

UPDATE tb\_dc\_htn\_visit SET lawSideEffects = null FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

**检查点5（反向）**

药物不良反应=2**且**具体药物不良反应=’1’

UPDATE tb\_dc\_htn\_visit SET lawSideEffectsFlag = 2 FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

UPDATE tb\_dc\_htn\_visit SET lawSideEffects = ‘1’ FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

二、执行质控命令：

curl -X GET "http://192.168.0.243:8090/healthRecordRules/rulesEngine/execute/'31011019371125044X'" -H "accept: \*/\*" -o /dev/null -s

三、检查结果

select \* from HrRule r1 inner join HrRuleRecord r2 on r1.RuleId=r2.RuleId where r2.ArchiveNum='31011019371125044X' AND

r1.RuleSql=‘com.benetech.rules.modules.myrules. normative.HypertensionVisit1858’

如果有结果表示成功，否则表示失败。

### traceability.HypertensionVisit1839

身份证：31011019371125044X

步骤：

类似于traceability.DiabetesVisit3991规则

属于表：tb\_dc\_htn\_visit

低密度脂蛋白值 字段lowCholesterol

itemName=’ 低密度脂蛋白’

**（备注：**traceability.HypertensionVisit1837**跟**traceability.HypertensionVisit1838**规则与**traceability.HypertensionVisit1839**规则一致 只是医院等级不一致）**

### availability.HypertensionVisit1853

身份证：31011019371125044X

isUseDrug是否服药（1-是、2-否）

noUseDrugLaw是否规律服药（1-是 2-否）

同时满足以下条件：

1、是否失访勾选“否” 或者随访管理状态为NULL值

2、是否服药勾选“否”

3、是否规律服药勾选“规律服药”不为空值

**检查点1（正向）**随访管理状态=1,是否服药=2**,**是否规律服药=1

UPDATE tb\_dc\_htn\_visit SET vistStatusCode=1,isUseDrug=2,noUseDrugLaw=1 FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

检查点2（正向）**将检查点1中的**随访管理状态 = null**，其余条件不变**

UPDATE tb\_dc\_htn\_visit SET vistStatusCode=null FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

检查点3（反向）**将检查点1中的**随访管理状态 = 2**，其余条件不变**

UPDATE tb\_dc\_htn\_visit SET vistStatusCode=2 FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

检查点4（反向）**将检查点1中的**是否服药 = 1**，其余条件不变**

UPDATE tb\_dc\_htn\_visit SET isUseDrug =1 FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

检查点5（反向）**将检查点1中的**否规律服药 = 2**，其余条件不变**

UPDATE tb\_dc\_htn\_visit SET noUseDrugLaw =2 FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

检查点6（反向）**将检查点1中的**否规律服药 = null**，其余条件不变**

UPDATE tb\_dc\_htn\_visit SET noUseDrugLaw =null FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

检查点7（反向）随访管理状态=2,是否服药=1**,**是否规律服药=2

UPDATE tb\_dc\_htn\_visit SET vistStatusCode=2,isUseDrug=1,noUseDrugLaw=2 FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

检查点8（反向）随访管理状态=2,是否服药=1**,**是否规律服药=null

UPDATE tb\_dc\_htn\_visit SET vistStatusCode=2,isUseDrug=1,noUseDrugLaw=null FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

二、执行质控命令：

curl -X GET "http://192.168.0.243:8090/healthRecordRules/rulesEngine/execute/'31011019371125044X'" -H "accept: \*/\*" -o /dev/null -s

三、检查结果

select \* from HrRule r1 inner join HrRuleRecord r2 on r1.RuleId=r2.RuleId where r2.ArchiveNum='31011019371125044X'AND

r1.RuleSql=‘com.benetech.rules.modules.myrules. availability.HypertensionVisit1853’

如果有结果表示成功，否则表示失败。

### integrity.HypertensionVisit1852

身份证：31011019371125044X

isUseDrug是否服药（1-是、2-否）noUseDrugLaw是否规律服药（1-是 2-否）

同时满足以下条件：

1、是否失访勾选“否” 或者随访管理状态为NULL值

2、是否服药勾选“是” 或者是否服药为NULL值

3、是否规律服药为空值

**检查点1（正向）**随访管理状态=1,是否服药=1**,**是否规律服药=null

UPDATE tb\_dc\_htn\_visit SET vistStatusCode=1,isUseDrug=1,noUseDrugLaw=null FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

检查点2（正向）**将检查点1中的**随访管理状态 = null**，其余条件不变**

UPDATE tb\_dc\_htn\_visit SET vistStatusCode=null FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

检查点3（正向）**将检查点1中的**是否服药=null**，其余条件不变**

UPDATE tb\_dc\_htn\_visit SET isUseDrug =null FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

检查点4（反向）**将检查点1中的**随访管理状态 = 2**，其余条件不变**

UPDATE tb\_dc\_htn\_visit SET vistStatusCode=2 FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

检查点5（反向）**将检查点1中的**是否服药=2**，其余条件不变**

UPDATE tb\_dc\_htn\_visit SET isUseDrug =2 FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

检查点6（反向）**将检查点1中的**是否规律服药<>null**，其余条件不变**

UPDATE tb\_dc\_htn\_visit SET noUseDrugLaw=’11’ FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

检查点7（反向）随访管理状态=2,是否服药=2**,**是否规律服药<>null

UPDATE tb\_dc\_htn\_visit SET vistStatusCode=2,isUseDrug=2,noUseDrugLaw=’11’ FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

二、执行质控命令：

curl -X GET "http://192.168.0.243:8090/healthRecordRules/rulesEngine/execute/'31011019371125044X'" -H "accept: \*/\*" -o /dev/null -s

三、检查结果

select \* from HrRule r1 inner join HrRuleRecord r2 on r1.RuleId=r2.RuleId where r2.ArchiveNum='31011019371125044X'AND

r1.RuleSql=‘com.benetech.rules.modules.myrules. integrity.HypertensionVisit1852’

如果有结果表示成功，否则表示失败。

### integrity.HypertensionVisit1848

身份证：31011019371125044X

isUseDrug是否服药（1-是、2-否）

noUseDrugReasonCode不服药原因（1）经济原因2）忘记3）不良反应4）配药不方便5）不需药物治疗6）其他）

同时满足以下条件：

1、是否失访勾选“否” 或者随访管理状态为NULL值

2、是否服药勾选“否”

3、不服药原因为空值

**检查点1（正向）**随访管理状态=1,是否服药=2**,** 不服药原因=null

UPDATE tb\_dc\_htn\_visit SET vistStatusCode=1,isUseDrug=2, noUseDrugReasonCode=null FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

检查点2（正向）**将检查点1中的**随访管理状态 = null**，其余条件不变**

UPDATE tb\_dc\_htn\_visit SET vistStatusCode=null FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

检查点3（反向）**将检查点1中的**随访管理状态 = 2**，其余条件不变**

UPDATE tb\_dc\_htn\_visit SET vistStatusCode=2 FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

检查点4（反向）**将检查点1中的**是否服药=1**，其余条件不变**

UPDATE tb\_dc\_htn\_visit SET isUseDrug=1 FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

检查点5（反向）**将检查点1中的**是否服药=null**，其余条件不变**

UPDATE tb\_dc\_htn\_visit SET isUseDrug=null FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

检查点6（反向）**将检查点1中的**不服药原因<>null**，其余条件不变**

UPDATE tb\_dc\_htn\_visit SET noUseDrugReasonCode =’11’ FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

**检查点7（反向）**随访管理状态=2,是否服药=1**,** 不服药原因<>null

UPDATE tb\_dc\_htn\_visit SET vistStatusCode=2,isUseDrug=1, noUseDrugReasonCode=’11’ FROM tb\_dc\_htn\_visit AS htn INNER JOIN tb\_dc\_chronic\_main AS cMain ON htn.OrgCode = cMain.orgCode AND htn.cardId = cMain.visitNum INNER JOIN tb\_dc\_chronic\_info AS cInfo ON cInfo.orgCode = cMain.orgCode AND cInfo.manageNum = cMain.manageNum INNER JOIN tb\_empi\_index\_root AS empi ON cInfo.empiGuid = empi.guid WHERE empi.idCardNo = '31011019371125044X';

二、执行质控命令：

curl -X GET "http://192.168.0.243:8090/healthRecordRules/rulesEngine/execute/'31011019371125044X'" -H "accept: \*/\*" -o /dev/null -s

三、检查结果

select \* from HrRule r1 inner join HrRuleRecord r2 on r1.RuleId=r2.RuleId where r2.ArchiveNum='31011019371125044X'AND

r1.RuleSql=‘com.benetech.rules.modules.myrules. integrity.HypertensionVisit1848’

如果有结果表示成功，否则表示失败。

### traceability.HypertensionVisit3632

身份证：31011019371125044X

步骤：

类似于traceability.DiabetesVisit3991规则

属于表：tb\_dc\_htn\_visit

血小板 字段platelet

itemName=’血小板’

**（备注：**traceability.HypertensionVisit3630**跟**traceability.HypertensionVisit3631**规则与**traceability.HypertensionVisit3632**规则一致 只是医院等级不一致）**