SELECT \*

FROM diagnoses\_icd

LEFT JOIN(

SELECT admissions.hadm\_id,admissions.admittime,admissions.dischtime,admissions."language",admissions.race,admissions.hospital\_expire\_flag

FROM admissions

GROUP BY subject\_id,hadm\_id,admittime,"language",race,hospital\_expire\_flag,dischtime

) admissions ON diagnoses\_icd.hadm\_id=admissions.hadm\_id

WHERE icd\_code in ('25011','25013','E101','E1010','E1011');

SELECT \*

FROM diagnoses\_icd

LEFT JOIN(

SELECT admissions.hadm\_id,admissions.admittime,admissions.dischtime,admissions."language",admissions.race,admissions.hospital\_expire\_flag

FROM admissions

GROUP BY subject\_id,hadm\_id,admittime,"language",race,hospital\_expire\_flag,dischtime

) admissions ON diagnoses\_icd.hadm\_id=admissions.hadm\_id

WHERE icd\_code in ('E1011');

#group1 diabetes

SELECT \*

FROM diagnoses\_icd

LEFT JOIN(

SELECT admissions.hadm\_id,admissions.admittime,admissions.dischtime,admissions."language",admissions.race,admissions.hospital\_expire\_flag

FROM admissions

GROUP BY subject\_id,hadm\_id,admittime,"language",race,hospital\_expire\_flag,dischtime

) admissions ON diagnoses\_icd.hadm\_id=admissions.hadm\_id

WHERE icd\_code in ('24910','24911','25010','25012','E111','E1110','E1111');

#group2 diabetes

SELECT \*

FROM diagnoses\_icd

LEFT JOIN(

SELECT admissions.hadm\_id,admissions.admittime,admissions.dischtime,admissions."language",admissions.race,admissions.hospital\_expire\_flag

FROM admissions

GROUP BY subject\_id,hadm\_id,admittime,"language",race,hospital\_expire\_flag,dischtime

) admissions ON diagnoses\_icd.hadm\_id=admissions.hadm\_id

WHERE icd\_code in ('E091','E0910','E0911');

#groupdrug diabete

SELECT \*

FROM diagnoses\_icd

LEFT JOIN(

SELECT admissions.hadm\_id,admissions.admittime,admissions.dischtime,admissions."language",admissions.race,admissions.hospital\_expire\_flag

FROM admissions

GROUP BY subject\_id,hadm\_id,admittime,"language",race,hospital\_expire\_flag,dischtime

) admissions ON diagnoses\_icd.hadm\_id=admissions.hadm\_id

WHERE icd\_code in ('E081','E0810','E0811');

#groupunderlying diabete

SELECT \*

FROM diagnoses\_icd

LEFT JOIN(

SELECT admissions.hadm\_id,admissions.admittime,admissions.dischtime,admissions."language",admissions.race,admissions.hospital\_expire\_flag

FROM admissions

GROUP BY subject\_id,hadm\_id,admittime,"language",race,hospital\_expire\_flag,dischtime

) admissions ON diagnoses\_icd.hadm\_id=admissions.hadm\_id

WHERE icd\_code in ('E131','E1310','E1311');

#groupother diabete

SELECT patients.subject\_id,patients.gender,patients.anchor\_age,patients.dod

FROM patients

RIGHT JOIN(

SELECT subject\_id

FROM dka

GROUP BY subject\_id

) dka ON dka.subject\_id=patients.subject\_id;

# query the basic characteristics of the patients

# the data were mixed for further reference in hospital and ICU admission called "list"

SELECT \*

FROM stay

LEFT JOIN(

SELECT icustay\_detail.subject\_id,icustay\_detail.hadm\_id,icustay\_detail.stay\_id,icustay\_detail.first\_icu\_stay,

icustay\_detail.first\_hosp\_stay,icustay\_detail.gender,icustay\_detail.dod,icustay\_detail.admittime,icustay\_detail.dischtime,

icustay\_detail.los\_hospital,icustay\_detail.admission\_age,icustay\_detail.race,icustay\_detail.hospital\_expire\_flag,

icustay\_detail.icu\_intime,icustay\_detail.icu\_outtime,icustay\_detail.los\_icu

FROM icustay\_detail

GROUP BY icustay\_detail.subject\_id,icustay\_detail.hadm\_id,icustay\_detail.stay\_id,icustay\_detail.first\_icu\_stay,

icustay\_detail.first\_hosp\_stay,icustay\_detail.gender,icustay\_detail.dod,icustay\_detail.admittime,icustay\_detail.dischtime,

icustay\_detail.los\_hospital,icustay\_detail.admission\_age,icustay\_detail.race,icustay\_detail.hospital\_expire\_flag,

icustay\_detail.icu\_intime,icustay\_detail.icu\_outtime,icustay\_detail.los\_icu

) icustay\_detail ON stay.subject\_id=icustay\_detail.subject\_id

WHERE first\_hosp\_stay = 't' AND first\_icu\_stay = 'f';

SELECT \*

FROM stay

LEFT JOIN(

SELECT icustay\_detail.subject\_id,icustay\_detail.hadm\_id,icustay\_detail.stay\_id,icustay\_detail.first\_icu\_stay,

icustay\_detail.first\_hosp\_stay

FROM icustay\_detail

GROUP BY icustay\_detail.subject\_id,icustay\_detail.hadm\_id,icustay\_detail.stay\_id,icustay\_detail.first\_icu\_stay,

icustay\_detail.first\_hosp\_stay

) icustay\_detail ON icustay\_detail.subject\_id=stay.subject\_id

WHERE first\_hosp\_stay = 't' AND first\_icu\_stay = 'f';

#select the final inclusion, the first admission to hospital AND the first admission to ICU

SELECT \*

FROM stay

LEFT JOIN(

SELECT first\_day\_lab.stay\_id,first\_day\_lab.hematocrit\_min,first\_day\_lab.hematocrit\_max,first\_day\_lab.hemoglobin\_min,first\_day\_lab.hemoglobin\_max,first\_day\_lab.platelets\_min,

first\_day\_lab.platelets\_max,first\_day\_lab.wbc\_min,first\_day\_lab.wbc\_max,first\_day\_lab.albumin\_min,first\_day\_lab.albumin\_max,

first\_day\_lab.aniongap\_max,first\_day\_lab.bicarbonate\_min,first\_day\_lab.bicarbonate\_max,first\_day\_lab.bun\_max,first\_day\_lab.calcium\_min,

first\_day\_lab.calcium\_max,first\_day\_lab.chloride\_min,first\_day\_lab.chloride\_max,first\_day\_lab.creatinine\_max,first\_day\_lab.glucose\_min,first\_day\_lab.glucose\_max,

first\_day\_lab.sodium\_min,first\_day\_lab.sodium\_max,first\_day\_lab.potassium\_min,first\_day\_lab.potassium\_max,first\_day\_lab.inr\_min,first\_day\_lab.inr\_max,first\_day\_lab.pt\_min,first\_day\_lab.pt\_max,

first\_day\_lab.ptt\_min,first\_day\_lab.ptt\_max,first\_day\_lab.alt\_max,first\_day\_lab.alp\_max,first\_day\_lab.ast\_max

FROM first\_day\_lab

GROUP BY first\_day\_lab.stay\_id,first\_day\_lab.hematocrit\_min,first\_day\_lab.hematocrit\_max,first\_day\_lab.hemoglobin\_min,first\_day\_lab.hemoglobin\_max,first\_day\_lab.platelets\_min,

first\_day\_lab.platelets\_max,first\_day\_lab.wbc\_min,first\_day\_lab.wbc\_max,first\_day\_lab.albumin\_min,first\_day\_lab.albumin\_max,

first\_day\_lab.aniongap\_max,first\_day\_lab.bicarbonate\_min,first\_day\_lab.bicarbonate\_max,first\_day\_lab.bun\_max,first\_day\_lab.calcium\_min,

first\_day\_lab.calcium\_max,first\_day\_lab.chloride\_min,first\_day\_lab.chloride\_max,first\_day\_lab.creatinine\_max,first\_day\_lab.glucose\_min,first\_day\_lab.glucose\_max,

first\_day\_lab.sodium\_min,first\_day\_lab.sodium\_max,first\_day\_lab.potassium\_min,first\_day\_lab.potassium\_max,first\_day\_lab.inr\_min,first\_day\_lab.inr\_max,first\_day\_lab.pt\_min,first\_day\_lab.pt\_max,

first\_day\_lab.ptt\_min,first\_day\_lab.ptt\_max,first\_day\_lab.alt\_max,first\_day\_lab.alp\_max,first\_day\_lab.ast\_max

) first\_day\_lab ON first\_day\_lab.stay\_id=stay.stay\_id;

# select the lab event of these patients

SELECT \*

FROM stay

LEFT JOIN(

SELECT first\_day\_sofa.stay\_id,first\_day\_sofa.sofa,first\_day\_sofa.renal,first\_day\_sofa.cardiovascular

FROM first\_day\_sofa

GROUP BY first\_day\_sofa.stay\_id,first\_day\_sofa.sofa,first\_day\_sofa.renal,first\_day\_sofa.cardiovascular

)first\_day\_sofa ON first\_day\_sofa.stay\_id=stay.stay\_id;

# select the sofa score

SELECT \*

FROM stay

LEFT JOIN(

SELECT kdigo\_uo.stay\_id,kdigo\_uo.urineoutput\_24hr

FROM kdigo\_uo

GROUP BY kdigo\_uo.stay\_id,kdigo\_uo.urineoutput\_24hr

) kdigo\_uo ON kdigo\_uo.stay\_id=stay.stay\_id;

# select the urine output of the patients

SELECT \*

FROM stay

LEFT JOIN(

SELECT first\_day\_gcs.stay\_id,first\_day\_gcs.gcs\_min

FROM first\_day\_gcs

GROUP BY first\_day\_gcs.stay\_id,first\_day\_gcs.gcs\_min

) first\_day\_gcs ON first\_day\_gcs.stay\_id=stay.stay\_id;

# Select the gcs score of the first day

SELECT \*

FROM stay

LEFT JOIN(

SELECT first\_day\_bg\_art.stay\_id,first\_day\_bg\_art.lactate\_max,first\_day\_bg\_art.ph\_min,first\_day\_bg\_art.glucose\_max,first\_day\_bg\_art.glucose\_min,

first\_day\_bg\_art.pao2fio2ratio\_min,first\_day\_bg\_art.pao2fio2ratio\_max,first\_day\_bg\_art.pco2\_max,first\_day\_bg\_art.pco2\_min,first\_day\_bg\_art.po2\_min,

first\_day\_bg\_art.po2\_max,first\_day\_bg\_art.temperature\_min,first\_day\_bg\_art.temperature\_max,first\_day\_bg\_art.totalco2\_min,first\_day\_bg\_art.totalco2\_max,

first\_day\_bg\_art.carboxyhemoglobin\_min,first\_day\_bg\_art.carboxyhemoglobin\_max,first\_day\_bg\_art.hemoglobin\_min,first\_day\_bg\_art.hemoglobin\_max,

first\_day\_bg\_art.hematocrit\_min,first\_day\_bg\_art.hematocrit\_max,first\_day\_bg\_art.aado2\_min,first\_day\_bg\_art.aado2\_max

FROM first\_day\_bg\_art

GROUP BY first\_day\_bg\_art.stay\_id,first\_day\_bg\_art.lactate\_max,first\_day\_bg\_art.ph\_min,first\_day\_bg\_art.glucose\_max,first\_day\_bg\_art.glucose\_min,

first\_day\_bg\_art.pao2fio2ratio\_min,first\_day\_bg\_art.pao2fio2ratio\_max,first\_day\_bg\_art.pco2\_max,first\_day\_bg\_art.pco2\_min,first\_day\_bg\_art.po2\_min,

first\_day\_bg\_art.po2\_max,first\_day\_bg\_art.temperature\_min,first\_day\_bg\_art.temperature\_max,first\_day\_bg\_art.totalco2\_min,first\_day\_bg\_art.totalco2\_max,

first\_day\_bg\_art.carboxyhemoglobin\_min,first\_day\_bg\_art.carboxyhemoglobin\_max,first\_day\_bg\_art.hemoglobin\_min,first\_day\_bg\_art.hemoglobin\_max,

first\_day\_bg\_art.hematocrit\_min,first\_day\_bg\_art.hematocrit\_max,first\_day\_bg\_art.aado2\_min,first\_day\_bg\_art.aado2\_max

) first\_day\_bg\_art on first\_day\_bg\_art.stay\_id=stay.stay\_id;

# select the first day bg of the patients

SELECT \*

FROM stay

LEFT JOIN(

SELECT creatinine\_baseline.hadm\_id,creatinine\_baseline.scr\_baseline

FROM creatinine\_baseline

GROUP BY hadm\_id,creatinine\_baseline.scr\_baseline

) creatinine\_baseline ON creatinine\_baseline.hadm\_id=stay.hadm\_id;

#select the admission creat of the patients

SELECT \*

FROM stay

LEFT JOIN(

SELECT first\_day\_urine\_output.stay\_id,first\_day\_urine\_output.urineoutput

FROM first\_day\_urine\_output

GROUP BY first\_day\_urine\_output.stay\_id,first\_day\_urine\_output.urineoutput

) first\_day\_urine\_output ON first\_day\_urine\_output.stay\_id=stay.stay\_id;

# select the first day urine output

SELECT \*

FROM stay

LEFT JOIN(

SELECT first\_day\_vitalsign.stay\_id,first\_day\_vitalsign.heart\_rate\_min,first\_day\_vitalsign.heart\_rate\_max,

first\_day\_vitalsign.glucose\_min,first\_day\_vitalsign.glucose\_max,

first\_day\_vitalsign.dbp\_max,first\_day\_vitalsign.dbp\_min,

first\_day\_vitalsign.mbp\_max,first\_day\_vitalsign.mbp\_min,

first\_day\_vitalsign.resp\_rate\_max,first\_day\_vitalsign.resp\_rate\_min,

first\_day\_vitalsign.sbp\_max,first\_day\_vitalsign.sbp\_min,

first\_day\_vitalsign.spo2\_max,first\_day\_vitalsign.spo2\_min,

first\_day\_vitalsign.temperature\_max,first\_day\_vitalsign.temperature\_min

FROM first\_day\_vitalsign

GROUP BY first\_day\_vitalsign.stay\_id,first\_day\_vitalsign.heart\_rate\_min,first\_day\_vitalsign.heart\_rate\_max,

first\_day\_vitalsign.glucose\_min,first\_day\_vitalsign.glucose\_max,

first\_day\_vitalsign.dbp\_max,first\_day\_vitalsign.dbp\_min,

first\_day\_vitalsign.mbp\_max,first\_day\_vitalsign.mbp\_min,

first\_day\_vitalsign.resp\_rate\_max,first\_day\_vitalsign.resp\_rate\_min,

first\_day\_vitalsign.sbp\_max,first\_day\_vitalsign.sbp\_min,

first\_day\_vitalsign.spo2\_max,first\_day\_vitalsign.spo2\_min,

first\_day\_vitalsign.temperature\_max,first\_day\_vitalsign.temperature\_min

)first\_day\_vitalsign ON first\_day\_vitalsign.stay\_id=stay.stay\_id;

# select the first day of vitalsign

SELECT \*

FROM stay

LEFT JOIN(

SELECT first\_day\_height.stay\_id,first\_day\_height."height"

FROM first\_day\_height

GROUP BY first\_day\_height.stay\_id,first\_day\_height."height"

) first\_day\_height ON first\_day\_height.stay\_id=stay.stay\_id;

# first day height

SELECT \*

FROM stay

LEFT JOIN(

SELECT first\_day\_weight.stay\_id,first\_day\_weight.weight\_admit

FROM first\_day\_weight

GROUP BY first\_day\_weight.stay\_id,first\_day\_weight.weight\_admit

) first\_day\_weight ON first\_day\_weight.stay\_id=stay.stay\_id;

# first day weight

SELECT \*

FROM stay

LEFT JOIN(

SELECT charlson.hadm\_id,charlson.age\_score,charlson.myocardial\_infarct,charlson.congestive\_heart\_failure,charlson.chronic\_pulmonary\_disease,

charlson.mild\_liver\_disease,charlson.severe\_liver\_disease,charlson.renal\_disease,charlson.malignant\_cancer

FROM charlson

GROUP BY charlson.hadm\_id,charlson.age\_score,charlson.myocardial\_infarct,charlson.congestive\_heart\_failure,charlson.chronic\_pulmonary\_disease,

charlson.mild\_liver\_disease,charlson.severe\_liver\_disease,charlson.renal\_disease,charlson.malignant\_cancer

) charlson ON charlson.hadm\_id=stay.hadm\_id;

#select the charlson of the patients

SELECT \*

FROM stay

LEFT JOIN(

SELECT DISTINCT emar.hadm\_id,emar.charttime,emar.medication

FROM emar

GROUP BY emar.hadm\_id,emar.charttime,emar.medication

) emar ON emar.hadm\_id=stay.hadm\_id

WHERE medication ILIKE '%bicarbonate%';

SELECT \*

FROM stay

LEFT JOIN(

SELECT DISTINCT prescriptions.hadm\_id,prescriptions.starttime,prescriptions.drug

FROM prescriptions

GROUP BY prescriptions.hadm\_id,prescriptions.starttime,prescriptions.drug

) prescriptions ON prescriptions.hadm\_id=stay.hadm\_id

WHERE drug ILIKE '%bicarbonate%';

SELECT \*

FROM stay

LEFT JOIN(

SELECT DISTINCT pharmacy.hadm\_id,pharmacy.starttime,pharmacy.medication

FROM pharmacy

GROUP BY pharmacy.hadm\_id,pharmacy.starttime,pharmacy.medication

) pharmacy ON pharmacy.hadm\_id=stay.hadm\_id

WHERE medication ILIKE '%bicarbonate%';

# the first time to receive sodium bicarbonate

SELECT \*

FROM stay

LEFT JOIN(

SELECT oasis.stay\_id,oasis.oasis,oasis.electivesurgery

FROM oasis

GROUP BY oasis.stay\_id,oasis.oasis,oasis.electivesurgery

) oasis ON oasis.stay\_id=stay.stay\_id;

SELECT \*

FROM stay

LEFT JOIN(

SELECT sirs.stay\_id,sirs.sirs,sirs.temp\_score,sirs.heart\_rate\_score,sirs.resp\_score,sirs.wbc\_score

FROM sirs

GROUP BY sirs.stay\_id,sirs.sirs,sirs.temp\_score,sirs.heart\_rate\_score,sirs.resp\_score,sirs.wbc\_score

) sirs ON sirs.stay\_id=stay.stay\_id;

SELECT \*

FROM stay

LEFT JOIN(

SELECT sapsii.stay\_id,sapsii.sapsii

FROM sapsii

GROUP BY sapsii.stay\_id,sapsii.sapsii

) sapsii ON sapsii.stay\_id=stay.stay\_id;

#the sirs,sapsii,oasis

这边暂时没有提取

SELECT \*

FROM bc

LEFT JOIN(

SELECT urine\_output\_rate.stay\_id,(urine\_output\_rate.charttime) AS uo\_charttime,urine\_output\_rate.uo

FROM urine\_output\_rate

GROUP BY urine\_output\_rate.stay\_id,urine\_output\_rate.charttime,urine\_output\_rate.uo

) urine\_output\_rate ON urine\_output\_rate.stay\_id=bc.stay\_id

WHERE uo\_charttime > bc.charttime;

SELECT \*

FROM nobc

LEFT JOIN(

SELECT urine\_output\_rate.stay\_id,(urine\_output\_rate.charttime) AS uo\_charttime,urine\_output\_rate.uo

FROM urine\_output\_rate

GROUP BY urine\_output\_rate.stay\_id,urine\_output\_rate.charttime,urine\_output\_rate.uo

) urine\_output\_rate ON urine\_output\_rate.stay\_id=nobc.stay\_id;

SELECT \*

FROM stay

LEFT JOIN(

SELECT urine\_output\_rate.stay\_id,(urine\_output\_rate.charttime) AS uo\_charttime,urine\_output\_rate.uo

FROM urine\_output\_rate

GROUP BY urine\_output\_rate.stay\_id,urine\_output\_rate.charttime,urine\_output\_rate.uo

) urine\_output\_rate ON urine\_output\_rate.stay\_id=stay.stay\_id;

#select the urine output on bc and nobc and baseline

SELECT \*

FROM bc

LEFT JOIN(

SELECT kdigo\_creatinine.stay\_id,(kdigo\_creatinine.charttime) AS creat\_charttime,kdigo\_creatinine.creat

FROM kdigo\_creatinine

GROUP BY kdigo\_creatinine.stay\_id,creat\_charttime,kdigo\_creatinine.creat

) kdigo\_creatinine ON kdigo\_creatinine.stay\_id=bc.stay\_id

WHERE creat\_charttime > bc.charttime;

SELECT \*

FROM nobc

LEFT JOIN(

SELECT kdigo\_creatinine.stay\_id,(kdigo\_creatinine.charttime) AS creat\_charttime,kdigo\_creatinine.creat

FROM kdigo\_creatinine

GROUP BY kdigo\_creatinine.stay\_id,creat\_charttime,kdigo\_creatinine.creat

) kdigo\_creatinine ON kdigo\_creatinine.stay\_id=nobc.stay\_id;

#select the creat on bc and nobc

SELECT \*

FROM bc

LEFT JOIN(

SELECT kdigo\_stages.stay\_id,(kdigo\_stages.charttime) AS kdigo\_charttime,aki\_stage

FROM kdigo\_stages

GROUP BY kdigo\_stages.stay\_id,kdigo\_charttime,aki\_stage

) kdigo\_stages ON kdigo\_stages.stay\_id=bc.stay\_id

WHERE kdigo\_charttime > bc.charttime;

SELECT \*

FROM nobc

LEFT JOIN(

SELECT kdigo\_stages.stay\_id,(kdigo\_stages.charttime) AS kdigo\_charttime,aki\_stage

FROM kdigo\_stages

GROUP BY kdigo\_stages.stay\_id,kdigo\_charttime,aki\_stage

) kdigo\_stages ON kdigo\_stages.stay\_id=nobc.stay\_id

WHERE kdigo\_charttime > icu\_intime;

SELECT \*

FROM nobc

LEFT JOIN(

SELECT kdigo\_stages.stay\_id,(kdigo\_stages.charttime) AS kdigo\_charttime,aki\_stage

FROM kdigo\_stages

GROUP BY kdigo\_stages.stay\_id,kdigo\_charttime,aki\_stage

) kdigo\_stages ON kdigo\_stages.stay\_id=nobc.stay\_id;

#select the KDIGO on bc and nobc, along with the baseline

SELECT \*

FROM bc

LEFT JOIN(

SELECT gcs.stay\_id,(gcs.charttime) AS gcs\_charttime,gcs.gcs

FROM gcs

GROUP BY gcs.stay\_id,gcs\_charttime,gcs.gcs

) gcs ON gcs.stay\_id=bc.stay\_id

WHERE gcs\_charttime > bc.charttime;

SELECT \*

FROM nobc

LEFT JOIN(

SELECT gcs.stay\_id,(gcs.charttime) AS gcs\_charttime,gcs.gcs

FROM gcs

GROUP BY gcs.stay\_id,gcs\_charttime,gcs.gcs

) gcs ON gcs.stay\_id=nobc.stay\_id

WHERE gcs\_charttime > icu\_intime;

SELECT \*

FROM bc

LEFT JOIN(

SELECT gcs.stay\_id,(gcs.charttime) AS gcs\_charttime,gcs.gcs

FROM gcs

GROUP BY gcs.stay\_id,gcs\_charttime,gcs.gcs

) gcs ON gcs.stay\_id=bc.stay\_id

WHERE gcs\_charttime < bc.charttime;

SELECT \*

FROM stay

LEFT JOIN(

SELECT gcs.stay\_id,(gcs.charttime) AS gcs\_charttime,gcs.gcs

FROM gcs

GROUP BY gcs.stay\_id,gcs\_charttime,gcs.gcs

) gcs ON gcs.stay\_id=stay.stay\_id;

#select the GCS score of the bc and nobc patients, along with the baseline

SELECT \*

FROM bc

LEFT JOIN(

SELECT sofa.stay\_id,(sofa.starttime) AS sofa\_charttime,sofa.sofa\_24hours,sofa.renal\_24hours,sofa.cardiovascular\_24hours

FROM sofa

GROUP BY sofa.stay\_id,sofa\_charttime,sofa.sofa\_24hours,sofa.renal\_24hours,sofa.cardiovascular\_24hours

) sofa ON sofa.stay\_id=bc.stay\_id

WHERE sofa\_charttime > bc.charttime;

SELECT \*

FROM nobc

LEFT JOIN(

SELECT sofa.stay\_id,(sofa.starttime) AS sofa\_charttime,sofa.sofa\_24hours,sofa.renal\_24hours,sofa.cardiovascular\_24hours

FROM sofa

GROUP BY sofa.stay\_id,sofa\_charttime,sofa.sofa\_24hours,sofa.renal\_24hours,sofa.cardiovascular\_24hours

) sofa ON sofa.stay\_id=nobc.stay\_id

WHERE sofa\_charttime > icu\_intime;

SELECT \*

FROM stay

LEFT JOIN(

SELECT sofa.stay\_id,(sofa.starttime) AS sofa\_time,sofa.sofa\_24hours,sofa.renal\_24hours,sofa.cardiovascular\_24hours

FROM sofa

GROUP BY sofa.stay\_id,sofa\_time,sofa.sofa\_24hours,sofa.renal\_24hours,sofa.cardiovascular\_24hours

) sofa ON sofa.stay\_id=stay.stay\_id;

#select the cardiovascular sofa of the bc and nobc patients

各种生命支持

SELECT \*

FROM stay

LEFT JOIN(

SELECT ventilation.stay\_id,MIN(ventilation.starttime) AS vent\_time

FROM ventilation

GROUP BY stay\_id

) ventilation ON ventilation.stay\_id=stay.stay\_id;

#the use of ventilator,baseline

SELECT DISTINCT stay.stay\_id,first\_day\_rrt.dialysis\_present

FROM stay

LEFT JOIN(

SELECT first\_day\_rrt.stay\_id,first\_day\_rrt.dialysis\_present

FROM first\_day\_rrt

GROUP BY stay\_id,first\_day\_rrt.dialysis\_present

) first\_day\_rrt ON first\_day\_rrt.stay\_id=stay.stay\_id;

#the use of crrt,baseline

#the application of renal replacement

次要指标 包括 脓毒症 普通感染

SELECT \*

FROM stay

LEFT JOIN(

SELECT vasopressin.stay\_id

FROM vasopressin

GROUP BY vasopressin.stay\_id

) vasopressin ON vasopressin.stay\_id=stay.stay\_id;

#select the vasspressin and the antibiotic

重新提取初次入院指标

SELECT \*

FROM stay

LEFT JOIN(

SELECT chartevents.stay\_id,(chartevents.charttime) AS pH\_time, (chartevents."value") AS pH,chartevents.itemid

FROM chartevents

GROUP BY chartevents.stay\_id,pH\_time,pH,chartevents.itemid

) chartevents ON chartevents.stay\_id = stay.stay\_id

WHERE chartevents.itemid = 223830;

# this is the artial ph

SELECT \*

FROM stay

LEFT JOIN(

SELECT chartevents.stay\_id,(chartevents.charttime) AS glucose\_time, (chartevents."value") AS glucose,chartevents.itemid

FROM chartevents

GROUP BY chartevents.stay\_id,glucose\_time,glucose,chartevents.itemid

) chartevents ON chartevents.stay\_id = stay.stay\_id

WHERE chartevents.itemid = 220621;

#this is the glucose

SELECT \*

FROM stay

LEFT JOIN(

SELECT chartevents.stay\_id,(chartevents.charttime) AS creat\_time, (chartevents."value") AS creat,chartevents.itemid

FROM chartevents

GROUP BY chartevents.stay\_id,creat\_time,creat,chartevents.itemid

) chartevents ON chartevents.stay\_id = stay.stay\_id

WHERE chartevents.itemid = 220615;

SELECT \*

FROM bc

LEFT JOIN(

SELECT chartevents.stay\_id,(chartevents.charttime) AS creat\_time, (chartevents."value") AS creat,chartevents.itemid

FROM chartevents

GROUP BY chartevents.stay\_id,creat\_time,creat,chartevents.itemid

) chartevents ON chartevents.stay\_id = bc.stay\_id

WHERE chartevents.itemid = 220615 and creat\_time > bc.charttime;

SELECT \*

FROM bc

LEFT JOIN(

SELECT chartevents.stay\_id,(chartevents.charttime) AS creat\_time, (chartevents."value") AS creat,chartevents.itemid

FROM chartevents

GROUP BY chartevents.stay\_id,creat\_time,creat,chartevents.itemid

) chartevents ON chartevents.stay\_id = bc.stay\_id

WHERE chartevents.itemid = 220615 and creat\_time > bc.charttime;

#this is the creatinine

SELECT \*

FROM stay

LEFT JOIN(

SELECT chartevents.stay\_id,(chartevents.charttime) AS sodium\_time, (chartevents."value") AS sodium,chartevents.itemid

FROM chartevents

GROUP BY chartevents.stay\_id,sodium\_time,sodium,chartevents.itemid

) chartevents ON chartevents.stay\_id = stay.stay\_id

WHERE chartevents.itemid = 220645;

#this is the concerntration of the sodium

SELECT \*

FROM stay

LEFT JOIN(

SELECT chartevents.stay\_id,(chartevents.charttime) AS potassium\_time, (chartevents."value") AS potassium,chartevents.itemid

FROM chartevents

GROUP BY chartevents.stay\_id,potassium\_time,potassium,chartevents.itemid

) chartevents ON chartevents.stay\_id = stay.stay\_id

WHERE chartevents.itemid = 227442;

#this is the concerntration of the potassium

SELECT \*

FROM stay

LEFT JOIN(

SELECT chartevents.stay\_id,(chartevents.charttime) AS chloride\_time, (chartevents."value") AS chloride,chartevents.itemid

FROM chartevents

GROUP BY chartevents.stay\_id,chloride\_time,chloride,chartevents.itemid

) chartevents ON chartevents.stay\_id = stay.stay\_id

WHERE chartevents.itemid = 220602;

#this is the concerntration of the cholride

SELECT \*

FROM stay

LEFT JOIN(

SELECT chartevents.stay\_id,(chartevents.charttime) AS bc\_time, (chartevents."value") AS bc,chartevents.itemid

FROM chartevents

GROUP BY chartevents.stay\_id,bc\_time,bc,chartevents.itemid

) chartevents ON chartevents.stay\_id = stay.stay\_id

WHERE chartevents.itemid = 227443;

#this is the concerntration of the bc

SELECT \*

FROM stay

LEFT JOIN(

SELECT chartevents.stay\_id,(chartevents.charttime) AS calcium\_time, (chartevents."value") AS calcium,chartevents.itemid

FROM chartevents

GROUP BY chartevents.stay\_id,calcium\_time,calcium,chartevents.itemid

) chartevents ON chartevents.stay\_id = stay.stay\_id

WHERE chartevents.itemid = 225625;

#this is the concerntration of the calcium

SELECT \*

FROM stay

LEFT JOIN(

SELECT chartevents.stay\_id,(chartevents.charttime) AS bun\_time, (chartevents."value") AS bun,chartevents.itemid

FROM chartevents

GROUP BY chartevents.stay\_id,bun\_time,bun,chartevents.itemid

) chartevents ON chartevents.stay\_id = stay.stay\_id

WHERE chartevents.itemid = 225624;

#this is the BUN

SELECT \*

FROM stay

LEFT JOIN(

SELECT chartevents.stay\_id,(chartevents.charttime) AS lactate\_time, (chartevents."value") AS lactate,chartevents.itemid

FROM chartevents

GROUP BY chartevents.stay\_id,lactate\_time,lactate,chartevents.itemid

) chartevents ON chartevents.stay\_id = stay.stay\_id

WHERE chartevents.itemid = 225668;

#this is the lactate

SELECT \*

FROM stay

LEFT JOIN(

SELECT chartevents.stay\_id,(chartevents.charttime) AS lactate\_time, (chartevents."value") AS lactate,chartevents.itemid

FROM chartevents

GROUP BY chartevents.stay\_id,creatinie\_time,lactate,chartevents.itemid

) chartevents ON chartevents.stay\_id = stay.stay\_id

WHERE chartevents.itemid = ;

#this is the creat

SELECT \*

FROM stay

LEFT JOIN(

SELECT chartevents.stay\_id,(chartevents.charttime) AS ag\_time, (chartevents."value") AS ag,chartevents.itemid

FROM chartevents

GROUP BY chartevents.stay\_id,ag\_time,ag,chartevents.itemid

) chartevents ON chartevents.stay\_id = stay.stay\_id

WHERE chartevents.itemid = 227073;

SELECT \*

FROM stay

LEFT JOIN(

SELECT chartevents.stay\_id,(chartevents.charttime) AS paco2\_time, (chartevents."value") AS paco2,chartevents.itemid

FROM chartevents

GROUP BY chartevents.stay\_id,paco2\_time,paco2,chartevents.itemid

) chartevents ON chartevents.stay\_id = stay.stay\_id

WHERE chartevents.itemid = 220235;

the PACO2

SELECT

#this is the secondary admission

#this is the secondary ICU admission

#this is the secondary inflammmation

#multiple admissions

SELECT \*

FROM stay

LEFT JOIN(

SELECT stay\_id from

) icustay\_detail on icustay\_detail.hadm\_id=stay.hadm\_id

WHERE first\_icu = 'f';

SELECT \*

FROM stay

LEFT JOIN(

SELECT kdigo\_stages.stay\_id,(kdigo\_stages.charttime) AS kdigo\_time,(kdigo\_stages.aki\_stage) AS kdigo

FROM kdigo\_stages

GROUP BY kdigo\_stages.stay\_id,kdigo\_time,kdigo

) kdigo\_stages ON kdigo\_stages.stay\_id=stay.stay\_id;

#base kdigo AKI