-pateint:  
SELECT

  p.subject\_id,

  a.hadm\_id,

  a.admittime,

  p.dob,

  p.dod,

  p.dod\_hosp,

  p.dod\_ssn

FROM

  `physionet-data.mimiciii\_clinical.patients` p

JOIN

  `physionet-data.mimiciii\_clinical.admissions` a

ON

  p.subject\_id = a.subject\_id

-- Height & weight

SELECT \* FROM `physionet-data.mimiciii\_derived.heightweight`

-- Full vital signs

SELECT \* FROM `physionet-data.mimiciii\_derived.vitalsfirstday`

-- Additional labs

SELECT \* FROM `physionet-data.mimiciii\_derived.labsfirstday`

-- SOFA score

SELECT \* FROM `physionet-data.mimiciii\_derived.sofa`

-- Demographic Data: Age, Gender, Ethnicity

SELECT

a.subject\_id,

a.hadm\_id,

p.gender,

a.ethnicity,

DATE\_DIFF(a.admittime, p.dob, YEAR) AS age

FROM

`physionet-data.mimiciii\_clinical.admissions` a

JOIN

`physionet-data.mimiciii\_clinical.patients` p

ON

a.subject\_id = p.subject\_id

-- Example: Heart Rate (HR) from chartevents

SELECT

ce.subject\_id,

ce.hadm\_id,

ce.icustay\_id,

ce.charttime,

ce.valuenum AS heart\_rate

FROM

`physionet-data.mimiciii\_clinical.chartevents` ce

JOIN

`physionet-data.mimiciii\_clinical.icustays` icu

ON

ce.icustay\_id = icu.icustay\_id

WHERE

ce.itemid IN (211, 220045) -- Heart Rate

AND ce.charttime BETWEEN icu.intime AND DATETIME\_ADD(icu.intime, INTERVAL 24 HOUR)

AND ce.valuenum IS NOT NULL

--labs

-- Example: Creatinine

SELECT

le.subject\_id,

le.hadm\_id,

le.charttime,

le.valuenum AS creatinine

FROM

`physionet-data.mimiciii\_clinical.labevents` le

JOIN

`physionet-data.mimiciii\_clinical.icustays` icu

ON

le.hadm\_id = icu.hadm\_id

WHERE

le.itemid = 50912 -- Creatinine

AND le.charttime BETWEEN icu.intime AND DATETIME\_ADD(icu.intime, INTERVAL 24 HOUR)

AND le.valuenum IS NOT NULL

SELECT

oe.subject\_id,

oe.hadm\_id,

oe.icustay\_id,

SUM(oe.value) AS urine\_output\_24h

FROM

`physionet-data.mimiciii\_clinical.outputevents` oe

JOIN

`physionet-data.mimiciii\_clinical.icustays` icu

ON

oe.icustay\_id = icu.icustay\_id

WHERE

oe.charttime BETWEEN icu.intime AND DATETIME\_ADD(icu.intime, INTERVAL 24 HOUR)

AND oe.valueuom = 'mL'

GROUP BY

oe.subject\_id, oe.hadm\_id, oe.icustay\_id

diagnosis:

SELECT

di.subject\_id,

di.hadm\_id,

di.icd9\_code,

d.short\_title,

d.long\_title

FROM

`physionet-data.mimiciii\_clinical.diagnoses\_icd` di

JOIN

`physionet-data.mimiciii\_clinical.d\_icd\_diagnoses` d

ON

di.icd9\_code = d.icd9\_code

WHERE

di.icd9\_code IN (

'410', -- AMI

'414', -- CHD

'427.31', -- AFib

'428', -- CHF

'394', -- Valve disease

'785.51', -- Cardiogenic shock

'250', -- Diabetes

'496', -- COPD

'401', -- Hypertension

'585', -- CKD

'272', -- Hypercholesterolemia

'571' -- Liver disease

)

SELECT

pr.subject\_id,

pr.hadm\_id,

pr.startdate,

pr.enddate,

pr.drug\_name\_generic,

pr.route

FROM

`physionet-data.mimiciii\_clinical.prescriptions` pr

WHERE

LOWER(drug\_name\_generic) LIKE '%aspirin%' -- Antiplatelet

OR LOWER(drug\_name\_generic) LIKE '%heparin%' -- Anticoagulant

OR LOWER(drug\_name\_generic) LIKE '%metoprolol%' -- Beta-blocker

OR LOWER(drug\_name\_generic) LIKE '%lisinopril%' -- ACEI/ARB

OR LOWER(drug\_name\_generic) LIKE '%statin%' -- Statin

OR LOWER(drug\_name\_generic) LIKE '%vasopressin%'