1. SELECT FIRST ICU ADMISSION FOR SIMPLICITY

# TOTOAL "57786"

--# NEWBORN 7770

WITH first\_icu

AS (

SELECT DISTINCT ON (hadm\_id)

\*

FROM mimiciii.icustays

ORDER BY hadm\_id, intime ASC

)

SELECT

f.\*, a.admittime, a.dischtime, a.admission\_type, a.admission\_location, a.ethnicity,

a.edregtime, a.edouttime, a.diagnosis, a.hospital\_expire\_flag, p.dob, p.gender,

DATE\_PART('year', a.admittime) - DATE\_PART('year', p.dob) AS age, c.cdiff\_p

INTO mimiciii.first\_icustays

FROM first\_icu AS f

LEFT JOIN mimiciii.admissions AS a

ON f.hadm\_id = a.hadm\_id

LEFT JOIN mimiciii.patients AS p

ON f.subject\_id = p.subject\_id

LEFT JOIN mimiciii.cdiff\_case AS c

ON f.hadm\_id = c.hadm\_id

WHERE

--c.cdiff\_p = 1

--DATE\_PART('year', a.admittime) - DATE\_PART('year', p.dob) >150

a.admission\_type <> 'NEWBORN'

# 50016 distinct admission in mimiciii.first\_icustays

# beware of newborn and age range

1. Link admission with culture data

WITH stoolcx

AS (

SELECT DISTINCT ON (cs.hadm\_id)

\*

FROM

(

SELECT

f.\*, m.charttime, m.spec\_itemid, m.org\_itemid, DATE\_PART('day', m.charttime - f.intime) AS time\_to\_cx,

CASE

WHEN org\_itemid = '80139' THEN 1

ELSE 0

END AS stool\_cx

FROM mimiciii.first\_icustays AS f

LEFT JOIN mimiciii.microbiologyevents AS m

ON f.hadm\_id = m.hadm\_id

WHERE m.spec\_itemid = '70064'

)cs

ORDER BY cs.hadm\_id, cs.stool\_cx DESC

),

slabel AS(

SELECT f.hadm\_id, f.intime, f.outtime, v.org\_itemid, v.stool\_cx, v.charttime, DATE\_PART('day', v.charttime - f.intime) AS time\_to\_test

FROM mimiciii.first\_icustays AS f

LEFT JOIN stoolcx AS v

ON f.hadm\_id = v.hadm\_id

WHERE v.charttime <= f.outtime AND DATE\_PART('day', v.charttime - f.intime) >= 1

)

SELECT f.hadm\_id, f.intime, s.charttime, s.time\_to\_test, s.org\_itemid, s.stool\_cx

INTO nficu\_stool

FROM mimiciii.first\_icustays AS f

LEFT JOIN slabel AS s

ON f.hadm\_id = s.hadm\_id

-- WHERE s.stool\_cx = 1

--s.org\_itemid IS NOT NUL

# 303 positive

1. Link admission with vanco\_use

WITH vanco\_use

AS (

SELECT DISTINCT ON (hadm\_id)

hadm\_id, startdate, enddate, drug

FROM mimiciii.PRESCRIPTIONS

WHERE LOWER(drug) LIKE '%anco%'

AND (route = 'PO'

OR route = 'NG'

OR route = 'NG/OG'

OR route = 'PO OR ENTERAL TUBE'

OR route = 'PO/NG'

OR route = 'J TUBE'

OR route = 'ORAL'

OR route = 'G TUBE'

OR route = 'RECTAL'

)

AND DATE\_PART('day', enddate - startdate) > 0

ORDER BY hadm\_id, startdate ASC

),

vlabel AS(

SELECT f.hadm\_id, f.intime, f.outtime, v.drug, v.startdate, DATE\_PART('day', v.startdate - f.intime) AS time\_to\_treat,

CASE

WHEN v.startdate IS NOT NULL THEN 1

ELSE 0

END AS vanco\_use

FROM mimiciii.first\_icustays AS f

LEFT JOIN vanco\_use AS v

ON f.hadm\_id = v.hadm\_id

WHERE f.outtime >= v.startdate AND DATE\_PART('day', v.startdate - f.intime) >= 1

)

SELECT hadm\_id, vanco\_use, intime, startdate, time\_to\_treat

--INTO ficu\_vanco

FROM vlabel

#311 oral vanco use

1. Combined code for metro\_use and icd9

WITH metro\_use

AS (

SELECT DISTINCT ON (hadm\_id)

hadm\_id, startdate, enddate, drug, DATE\_PART('day', enddate - startdate), route

FROM mimiciii.PRESCRIPTIONS

WHERE LOWER(drug) LIKE '%etroni%'

AND (route = 'PO'

OR route = 'NG'

OR route = 'NG/OG'

OR route = 'PO OR ENTERAL TUBE'

OR route = 'PO/NG'

OR route = 'J TUBE'

OR route = 'ORAL'

OR route = 'G TUBE'

OR route = 'RECTAL'

)

AND DATE\_PART('day', enddate - startdate) > 0

ORDER BY hadm\_id, startdate ASC

),

mlabel AS(

SELECT f.hadm\_id, f.intime, f.outtime, v.drug, v.startdate, DATE\_PART('day', v.startdate - f.intime) AS time\_to\_treat,

CASE

WHEN v.startdate IS NOT NULL THEN 1

ELSE 0

END AS metro\_use

FROM mimiciii.first\_icustays AS f

LEFT JOIN metro\_use AS v

ON f.hadm\_id = v.hadm\_id

WHERE f.outtime >= v.startdate AND DATE\_PART('day', v.startdate - f.intime) >= 1

)

SELECT mlabel.hadm\_id, mlabel. intime, mlabel.startdate, mlabel.time\_to\_treat, mlabel.drug, mlabel.metro\_use, d.icd9\_code

INTO nficu\_metro

FROM mlabel

JOIN mimiciii.diagnoses\_icd as d

ON mlabel.hadm\_id = d.hadm\_id

WHERE d.icd9\_code = '00845'

# 242 ICD code with metro\_use

1. Positive case identified:

WITH cdiff

AS(

SELECT f.hadm\_id, f.admission\_type, fs.stool\_cx, fs.charttime,

--fc.request\_cdiff,

fv.vanco\_use, fv.startdate AS vanco\_start, fm.metro\_use AS icd\_plus\_metro\_use, fm.startdate AS metro\_start,

CASE

        WHEN (fm.metro\_use = 1 OR

fs.stool\_cx =1 OR

--fc.request\_cdiff = 1 OR

fv.vanco\_use = 1) THEN 1

ELSE 0

END AS cdiff\_p

FROM public.first\_icustays AS f

LEFT JOIN public.nficu\_stool AS fs

ON f.hadm\_id = fs.hadm\_id

/\*LEFT JOIN public.nficu\_callcd AS fc

ON f.hadm\_id = fc.hadm\_id\*/

LEFT JOIN public.nficu\_vanco AS fv

ON f.hadm\_id = fv.hadm\_id

LEFT JOIN public.nficu\_metro as fm

On f.hadm\_id = fm.hadm\_id

WHERE (

fm.metro\_use = 1 OR

fs.stool\_cx =1 OR

--fc.request\_cdiff = 1 OR

fv.vanco\_use = 1)

)

SELECT hadm\_id, GREATEST(charttime,vanco\_start,metro\_start) AS endpoint, stool\_cx, charttime,

--fc.request\_cdiff,

vanco\_use, vanco\_start, icd\_plus\_metro\_use AS icd\_plus\_metro\_use, metro\_start, cdiff\_p

INTO mimiciii.cdiff\_case

FROM cdiff

#604 case in total # 1 case in NEWBORN

1. Create time table for data extraction

SELECT f.hadm\_id,

--f.age, f.admittime, f.dischtime, f.admission\_type,

f.icustay\_id,

f.intime, f.outtime,

-- f.los,

c.cdiff\_p, c.endpoint

-- , DATE\_PART('day', c.endpoint - f.intime) AS time\_to\_endpoint

INTO mimiciii.timetable

FROM mimiciii.first\_icustays AS f

LEFT JOIN mimiciii.cdiff\_case AS c

ON f.hadm\_id = c.hadm\_id

-- WHERE cdiff\_p IS NOT NULL

UPDATE mimiciii.timetable

SET cdiff\_p =0

WHERE cdiff\_p IS NULL

UPDATE mimiciii.timetable

SET endpoint = outtime

WHERE cdiff\_p =0

SELECT \*, DATE\_PART('day', endpoint - intime) AS time\_to\_endpoint

INTO timetable

FROM mimiciii.timetable

# USE public.timetable

1. Note identify: #"36189"

WITH notes

AS (

SELECT \*

FROM mimiciii.noteevents

WHERE category = 'Nursing/other' OR category = 'Nursing' OR category LIKE '%ysic%'

--ORDER BY hadm\_id, chartdate

)

SELECT f.hadm\_id, f.intime, n.charttime, f.outtime, n.category, n.description, f.first\_careunit, n.text

INTO pred\_notes

FROM mimiciii.first\_icustays AS f

LEFT JOIN notes as n

ON f.hadm\_id = n.hadm\_id

WHERE f.outtime >= n.charttime AND DATE\_PART('day', n.charttime - f.intime) >= 0

ORDER BY f.hadm\_id, n.charttime

1. Antibiotics:

SELECT f.hadm\_id,

pce.cepha\_use, pcl.clinda\_use, ppe.penic\_use, pqu.quino\_use,

CASE

WHEN pce.cepha\_use IS NULL AND pcl.clinda\_use IS NULL

AND ppe.penic\_use IS NULL AND pqu.quino\_use IS NULL THEN 0

ELSE 1

END AS anti\_use

--INTO p\_anti

FROM first\_icustays AS f

LEFT JOIN p\_cepha AS pce

ON f.hadm\_id = pce.hadm\_id

LEFT JOIN p\_clinda AS pcl

ON f.hadm\_id = pcl.hadm\_id

LEFT JOIN p\_penic AS ppe

ON f.hadm\_id = ppe.hadm\_id

LEFT JOIN p\_quino AS pqu

ON f.hadm\_id = pqu.hadm\_id

1. Clindamycin #

WITH clinda\_use

AS (

SELECT DISTINCT ON (hadm\_id)

hadm\_id, startdate, enddate, drug

FROM mimiciii.PRESCRIPTIONS

WHERE

(route <> 'AD' AND route <> 'AS' AND route <> 'AU' AND route <> 'BOTH EARS' AND route <> 'BOTH EYES'

AND route <> 'LEFT EAR' AND route <> 'LEFT EYE' AND route <> 'OD' AND route <> 'OS' AND route <> 'OU'

AND route <> 'PB' AND route <> 'RIGHT EAR' AND route <> 'RIGHT EYE' AND route <> 'TP' AND route <> 'IJ' AND route<>'NU')

AND                 drug LIKE '%lindam%'

AND DATE\_PART('day', enddate - startdate) > 0

ORDER BY hadm\_id, startdate ASC

),

vlabel AS(

SELECT f.hadm\_id, f.intime, f.outtime, v.drug, v.startdate, DATE\_PART('day', v.startdate - f.intime) AS time\_to\_intervention,

CASE

WHEN v.startdate IS NOT NULL THEN 1

ELSE 0

END AS clinda\_use

FROM mimiciii.first\_icustays AS f

LEFT JOIN clinda\_use AS v

ON f.hadm\_id = v.hadm\_id

WHERE f.outtime >= v.startdate

)

SELECT vlabel.hadm\_id, vlabel.clinda\_use, vlabel.drug, vlabel.intime,

vlabel.time\_to\_intervention, vlabel.startdate, t.endpoint,

DATE\_PART('day', t.endpoint - vlabel.startdate) AS intervention\_to\_endpoint

INTO p\_clinda

FROM vlabel

JOIN public.timetable AS t

ON vlabel.hadm\_id = t.hadm\_id

WHERE DATE\_PART('day', t.endpoint - vlabel.startdate) > 0

1. Cephalosporin #

WITH cepha\_use

AS (

SELECT DISTINCT ON (hadm\_id)

hadm\_id, startdate, enddate, drug

FROM mimiciii.PRESCRIPTIONS

WHERE

(route <> 'AD' AND route <> 'AS' AND route <> 'AU' AND route <> 'BOTH EARS' AND route <> 'BOTH EYES'

AND route <> 'LEFT EAR' AND route <> 'LEFT EYE' AND route <> 'OD' AND route <> 'OS' AND route <> 'OU'

AND route <> 'PB' AND route <> 'RIGHT EAR' AND route <> 'RIGHT EYE' AND route <> 'TP' AND route <> 'IJ')

AND (LOWER(drug) LIKE '%lindam%'

OR LOWER(drug) LIKE '%efixi%'

OR        LOWER(drug) LIKE '%efotax%'

OR LOWER(drug) LIKE '%efote%'

OR LOWER(drug) LIKE '%efpod%'

OR LOWER(drug) LIKE '%eftaz%'

OR LOWER(drug) LIKE '%eftria%'

OR LOWER(drug) LIKE '%efep%'

OR LOWER(drug) LIKE '%eftar%'

)

AND DATE\_PART('day', enddate - startdate) > 0

ORDER BY hadm\_id, startdate ASC

),

vlabel AS(

SELECT f.hadm\_id, f.intime, f.outtime, v.drug, v.startdate, DATE\_PART('day', v.startdate - f.intime) AS time\_to\_intervention,

CASE

WHEN v.startdate IS NOT NULL THEN 1

ELSE 0

END AS cepha\_use

FROM mimiciii.first\_icustays AS f

LEFT JOIN cepha\_use AS v

ON f.hadm\_id = v.hadm\_id

WHERE f.outtime >= v.startdate

)

SELECT vlabel.hadm\_id, vlabel.cepha\_use, vlabel.drug, vlabel.intime,

vlabel.time\_to\_intervention, vlabel.startdate, t.endpoint,

DATE\_PART('day', t.endpoint - vlabel.startdate) AS intervention\_to\_endpoint

INTO p\_cepha

FROM vlabel

JOIN public.timetable AS t

ON vlabel.hadm\_id = t.hadm\_id

WHERE vlabel.startdate <= t.endpoint

1. cefixime

LOWER(drug) LIKE '%efixi%'

1. Cefotaxime

LOWER(drug) LIKE '%efotax%'

1. Cefotetan

LOWER(drug) LIKE '%efote%'

1. Cefpodoxime

LOWER(drug) LIKE '%efpod%'

1. Ceftazidime

LOWER(drug) LIKE '%eftaz%'

1. Ceftriaxone

LOWER(drug) LIKE '%eftria%'

1. cefepime

LOWER(drug) LIKE '%efep%'

1. ceftaroline

LOWER(drug) LIKE '%eftar%'

1. Fluroquinolones # 10843
   1. Ciprofloxacin

LOWER(drug) LIKE 'cipro%'

1. Gatifloxacin

LOWER(drug) LIKE 'gati%'

1. [Levofloxacin](https://en.wikipedia.org/wiki/Levofloxacin)

LOWER(drug) LIKE 'levof%'

1. Moxifloxacin

LOWER(drug) LIKE 'moxi%'

1. Ampicillin & amoxicillin # 4167

WITH penic\_use

AS (

SELECT DISTINCT ON (hadm\_id)

hadm\_id, startdate, enddate, drug

FROM mimiciii.PRESCRIPTIONS

WHERE

(route <> 'AD' AND route <> 'AS' AND route <> 'AU' AND route <> 'BOTH EARS' AND route <> 'BOTH EYES'

AND route <> 'LEFT EAR' AND route <> 'LEFT EYE' AND route <> 'OD' AND route <> 'OS' AND route <> 'OU'

AND route <> 'PB' AND route <> 'RIGHT EAR' AND route <> 'RIGHT EYE' AND route <> 'TP' AND route <> 'IJ')

AND        (LOWER(drug) LIKE 'ampi%' OR LOWER(drug) LIKE '%ampi%' OR LOWER(drug) LIKE 'amoxi%')

                        AND LOWER(drug) <> 'rifampin'

AND DATE\_PART('day', enddate - startdate) > 0

ORDER BY hadm\_id, startdate ASC

),

vlabel AS(

SELECT f.hadm\_id, f.intime, f.outtime, v.drug, v.startdate, DATE\_PART('day', v.startdate - f.intime) AS time\_to\_intervention,

CASE

WHEN v.startdate IS NOT NULL THEN 1

ELSE 0

END AS penic\_use

FROM mimiciii.first\_icustays AS f

LEFT JOIN penic\_use AS v

ON f.hadm\_id = v.hadm\_id

WHERE f.outtime >= v.startdate

)

SELECT vlabel.hadm\_id, vlabel.penic\_use, vlabel.drug, vlabel.intime,

vlabel.time\_to\_intervention, vlabel.startdate, t.endpoint,

DATE\_PART('day', t.endpoint - vlabel.startdate) AS intervention\_to\_endpoint

INTO p\_penic

FROM vlabel

JOIN public.timetable AS t

ON vlabel.hadm\_id = t.hadm\_id

WHERE DATE\_PART('day', t.endpoint - vlabel.startdate) > 0

1. PPI # 24552
   1. [Omeprazole](https://en.wikipedia.org/wiki/Omeprazole) & [Esomeprazole](https://en.wikipedia.org/wiki/Esomeprazole)

LOWER(drug) LIKE '%omep%' OR LOWER(drug) LIKE '%esomep%

OR LOWER(drug) LIKE '%nexiu% OR LOWER(drug) LIKE '%prilo%'

[Lansoprazole](https://en.wikipedia.org/wiki/Lansoprazole) & [Dexlansoprazole](https://en.wikipedia.org/wiki/Dexlansoprazole)

LOWER(drug) LIKE '%lanso%' OR LOWER(drug) LIKE '%prevaci%'

OR LOWER(drug) LIKE '%dexlanso%' OR LOWER(drug) LIKE '%Dexil%')

[Pantoprazole](https://en.wikipedia.org/wiki/Pantoprazole)

LOWER(drug) LIKE '%panto%' OR LOWER(drug) LIKE '%protoni%'

[Rabeprazole](https://en.wikipedia.org/wiki/Rabeprazole)

LOWER(drug) LIKE '%rabep%' OR LOWER(drug) LIKE '%ciphe%'

1. Steroid #8963

WITH steroid\_use

AS (

SELECT DISTINCT ON (hadm\_id)

hadm\_id, startdate, enddate, drug

FROM mimiciii.PRESCRIPTIONS

WHERE

(route <> 'AD' AND route <> 'AS' AND route <> 'AU' AND route <> 'BOTH EARS' AND route <> 'BOTH EYES'

AND route <> 'LEFT EAR' AND route <> 'LEFT EYE' AND route <> 'OD' AND route <> 'OS' AND route <> 'OU'

AND route <> 'PB' AND route <> 'RIGHT EAR' AND route <> 'RIGHT EYE' AND route <> 'TP' AND route <> 'IJ' AND route <>'IH'

AND route <> 'NU' AND route <> 'INHALATION' AND route <> 'AERO' AND route <> 'NS' AND route <>'IO' AND route <>'IN')

AND ( LOWER(drug) LIKE '%cortis%' OR LOWER(drug) LIKE '%cortef%' OR LOWER(drug) LIKE '%florinef%' OR

LOWER(drug) LIKE '%predni%' OR LOWER(drug) LIKE '%medrol%' OR

LOWER(drug) LIKE '%methas%' OR LOWER(drug) LIKE '%triamci%')

AND DATE\_PART('day', enddate - startdate) > 0

ORDER BY hadm\_id, startdate ASC

)

, vlabel AS(

SELECT f.hadm\_id, f.intime, f.outtime, v.drug, v.startdate, DATE\_PART('day', v.startdate - f.intime) AS time\_to\_intervention,

CASE

WHEN v.startdate IS NOT NULL THEN 1

ELSE 0

END AS steroid\_use

FROM mimiciii.first\_icustays AS f

LEFT JOIN steroid\_use AS v

ON f.hadm\_id = v.hadm\_id

--                WHERE f.outtime >= v.startdate

)

SELECT vlabel.hadm\_id, vlabel.steroid\_use, vlabel.drug, vlabel.intime,

vlabel.time\_to\_intervention, vlabel.startdate, t.endpoint,

DATE\_PART('day', t.endpoint - vlabel.startdate) AS intervention\_to\_endpoint

INTO p\_steroid

FROM vlabel

JOIN public.timetable AS t

ON vlabel.hadm\_id = t.hadm\_id

WHERE DATE\_PART('day', t.endpoint - vlabel.startdate) > 0

1. Cortisone, hydrocortisone, and fludrocortisone

LOWER(drug) LIKE '%cortis%' OR LOWER(drug) LIKE '%cortef%' OR

LOWER(drug) LIKE '%florinef%'

1. Prednisone, prednisolone, methylprednisolone

LOWER(drug) LIKE '%predni%' OR LOWER(drug) LIKE '%medrol%'

1. Betamethasone, dexamethasone

LOWER(drug) LIKE '%methas%'

1. Triamcinolone

LOWER(drug) LIKE '%triamci%'

1. Past Hx
   1. IDB #677

 5560, Ulcerative (chronic) enterocolitis;

• 5561, Ulcerative (chronic) ileocolitis;

• 5562, Ulcerative (chronic) proctitis;

"5550"        "Reg enteritis, sm intest"

"5551"        "Reg enteritis, lg intest"

"5552"        "Reg enterit sm/lg intest"

"5559"        "Regional enteritis NOS"

SELECT DISTINCT ON (hadm\_id)

\*,

CASE

WHEN icd9\_code IS NULL THEN 0

ELSE 1

END AS ibd\_p

INTO p\_ibd

FROM hx\_ibd

1. Symptoms
   1. Fever # missing: 7388

WITH vlabel

AS(

SELECT

t.hadm\_id, t.icustay\_id, t.intime, c.charttime, t.endpoint,

c.itemid, d.label, c.value, c.valuenum, c.valueuom

FROM public.timetable as t

LEFT JOIN mimiciii.chartevents AS c

ON t.hadm\_id = c.hadm\_id

JOIN mimiciii.d\_items AS d

ON c.itemid = d.itemid

WHERE c.charttime >= t.intime AND c.charttime <= t.endpoint

AND (c.itemid = '223762' OR c.itemid ='676' OR

c.itemid = '223761' OR c.itemid ='678')

--LIMIT 1000

), vmix AS(

SELECT

f.hadm\_id, f.dbsource, f.first\_careunit, v.label, v.value, v.valuenum, v.valueuom,

CASE

WHEN ((label = 'Temperature F' OR label = 'Temperature Fahrenheit')

                AND (CAST (v.value AS FLOAT)>= 100 OR CAST (v.valuenum AS FLOAT)>= 100))

        OR((label = 'Temperature C' OR label = 'Temperature Celsius')

AND (CAST (v.value AS FLOAT) >= 37.8 OR CAST (v.valuenum AS FLOAT) >= 37.8))

THEN 1

ELSE 0

END AS fever

FROM mimiciii.first\_icustays AS f

LEFT JOIN vlabel AS v

ON f.hadm\_id = v.hadm\_id

)

SELECT

DISTINCT ON (hadm\_id)

hadm\_id, fever

--hadm\_id, SUM(fever)

INTO p\_fever

FROM vmix

--GROUP BY hadm\_id

ORDER BY hadm\_id

--, fever DESC

1. Procedure
   1. Ventilation # 23288

WITH vlabel

AS(

SELECT DISTINCT ON (t.hadm\_id)

\*

FROM public.timetable AS t

LEFT JOIN public.ventdurations AS v

ON t.icustay\_id = v.icustay\_id

WHERE v.starttime <= t.endpoint

ORDER BY t.hadm\_id

)

SELECT

f.hadm\_id, f.icustay\_id, v.intime, v.starttime, v.endpoint,

CASE

WHEN v.starttime IS NOT NULL THEN 1

ELSE 0

END AS venti

INTO p\_venti

FROM mimiciii.first\_icustays AS f

LEFT JOIN vlabel AS v

ON f.hadm\_id = v.hadm\_id

1. GI tube # 22454

WITH vlabel

AS(

SELECT

t.hadm\_id, t.icustay\_id, t.intime, c.charttime, t.endpoint,

c.itemid, d.label, c.value, c.valuenum, c.valueuom

FROM public.timetable as t

LEFT JOIN mimiciii.chartevents AS c

ON t.hadm\_id = c.hadm\_id

JOIN mimiciii.d\_items AS d

ON c.itemid = d.itemid

WHERE c.charttime >= t.intime AND c.charttime <= t.endpoint

AND (

c.itemid = '202' OR c.itemid ='203' OR

c.itemid = '8390' OR

c.itemid = '204' OR c.itemid ='205' OR

c.itemid = '8391' OR

c.itemid = '1702' OR c.itemid ='1701' OR

c.itemid = '3430' OR

c.itemid = '8492' OR c.itemid ='1698' OR

c.itemid = '8493' OR c.itemid ='1699' OR

c.itemid ='1700' OR

c.itemid = '224785' OR

c.itemid = '22478' OR

c.itemid = '224791' OR

c.itemid = '228308' OR c.itemid ='224814' OR

c.itemid = '227388' OR c.itemid ='224010' OR

c.itemid = '228307' OR c.itemid ='224009' OR

c.itemid = '228309' OR c.itemid ='224443' OR

c.itemid = '227589' OR c.itemid ='224816' OR

c.itemid = '228310' OR c.itemid ='224445' OR

c.itemid = '224818' OR c.itemid ='228312' OR

c.itemid = '227590' OR c.itemid ='224444' OR

c.itemid = '228311' OR c.itemid ='224446'

)

--                LIMIT 1000

)

SELECT

DISTINCT ON (hadm\_id)

hadm\_id, itemid, charttime, label, value, valuenum, valueuom,

CASE

WHEN charttime IS NOT NULL THEN 1

ELSE 0

END AS gi\_tube

--hadm\_id, SUM(fever)

INTO p\_gitub

FROM vlabel

--                GROUP BY value

--                WHERE value is not null

--WHERE itemid = '3430'

ORDER BY hadm\_id, charttime

--, fever DESC

#Final table

SELECT f.hadm\_id, f.icustay\_id, f.admittime, t.intime, t.endpoint, DATE\_PART('day', t.endpoint - f.admittime) AS LOS,

f.gender, f.age, ps.major\_s, ps.minor\_s, pf.fever, pa.anti\_use, pa.cepha\_use, pa.clinda\_use, pa.penic\_use,

pa.quino\_use, ppi.ppi\_use, pst.steroid\_use, pc.crrt\_p, pv.venti, pg.gi\_tube, pi.ibd\_p,

pco.elixhauser\_vanwalraven, t.cdiff\_p

INTO ftable

FROM first\_icustays AS f

LEFT JOIN timetable AS t

ON f.hadm\_id = t.hadm\_id

LEFT JOIN p\_symp AS ps

ON f.hadm\_id = ps.hadm\_id

LEFT JOIN p\_fever AS pf

ON f.hadm\_id = pf.hadm\_id

LEFT JOIN p\_anti AS pa

ON f.hadm\_id = pa.hadm\_id

LEFT JOIN p\_ppi AS ppi

ON f.hadm\_id = ppi.hadm\_id

LEFT JOIN p\_steroid AS pst

ON f.hadm\_id = pst.hadm\_id

LEFT JOIN p\_crrt AS pc

ON f.hadm\_id = pc.hadm\_id

LEFT JOIN p\_venti AS pv

ON f.hadm\_id = pv.hadm\_id

LEFT JOIN p\_gitub AS pg

ON f.hadm\_id = pg.hadm\_id

LEFT JOIN p\_ibd AS pi

ON f.hadm\_id = pi.hadm\_id

LEFT JOIN p\_comorb AS pco

ON f.hadm\_id = pco.hadm\_id

--WHERE t.cdiff\_p = 1