**CREATE** **TABLE** sailw0915v**.**aw1 **AS** **(**

--INSERT INTO sailw0915v.aw1

**SELECT** **DISTINCT** spell**.**ALF\_PE**,**AGE\_EPI\_STR\_YR**,** SPELL**.**admis\_dt**,** admis\_mthd\_cd**,** SPELL**.**DISCH\_DT**,** SPELL**.**DISCH\_DESTINATION\_CD**,** SPELL**.**SPELL\_DUR**,** spell**.**spell\_num\_pe**,** SPELL**.**REF\_ORG\_CD**,** EPI**.**EPI\_STR\_DT**,**

EPI**.**epi\_end\_dt**,** EPI**.**epi\_dur**,**EPI**.**epi\_num**,**

SPELL**.**DUR\_ELECT\_WAIT**,** EPI**.**CON\_SPEC\_CD\_OF\_TREAT**,**

EPI**.**prov\_unit\_cd**,**EPI**.**CURR\_PROV\_UNIT\_CD

**FROM** SAIL0915v**.**PEDW\_SPELL\_20190515 SPELL

**INNER** **JOIN** SAIL0915v**.**PEDW\_EPISODE\_20190515 EPI

**ON** SPELL**.**PROV\_UNIT\_CD **=** EPI**.**PROV\_UNIT\_CD

**AND** SPELL**.**SPELL\_NUM\_PE **=** EPI**.**SPELL\_NUM\_PE

**WHERE** spell**.**admis\_dt **BETWEEN** '2011-01-01' **AND** '2018-01-01'

**)**

**WITH** **NO** **DATA**

---------------------------------------------

**CREATE** **TABLE** sailw0915v**.**aw2 **AS** **(**

--INSERT INTO sailw0915v.aw2

**SELECT** a**.\*,** x**.**oper\_cd\_123**,** X**.**OPER\_DESC\_123**,** z**.**oper\_cd**,**z**.**oper\_desc\_4**,**

OPER**.**OPER\_num **FROM**

sailw0915v**.**aw1 a

**inner** **JOIN** SAIL0915v**.**PEDW\_OPER\_20190515 OPER

**ON** a**.**PROV\_UNIT\_CD **=** OPER**.**PROV\_UNIT\_CD

**AND** a**.**SPELL\_NUM\_PE **=** OPER**.**SPELL\_NUM\_PE

**and** a**.**epi\_num **=** OPER**.**epi\_num

**inner** **JOIN** SAILREFRV**.**OPCS4\_OPER\_CD\_123 x

**on** X**.**OPER\_CD\_123 **=** OPER**.**OPER\_CD\_123

**inner** **JOIN** SAILREFRV**.**OPCS4\_OPER\_CD z

**on** z**.**OPER\_CD **=** OPER**.**OPER\_CD

**)**

**WITH** **NO** **DATA**

---------------------------------------------

**CREATE** **TABLE** sailw0915v**.**aw3 **AS**

**(**

--INSERT INTO sailw0915v.aw3

**SELECT** **distinct** a**.\*,** o**.**opcs\_type

**FROM** sailw0915v**.**aw2 a

**JOIN** sailw0915v**.**aw\_OPCS\_CODES o

**ON** a**.**oper\_CD **=** o**.**code\_without\_decimal

**WHERE**

opcs\_type **IN** **(**'Balloon'**,**'DES\_BMS'**,**'angio\_atherectomy'**,**'angio\_injection'**,**'Balloon\_STENT'**)**

**)**

**WITH** **NO** **DATA**

---------------------------------------------

**CREATE** **TABLE** sailw0915v**.**aw4 **AS**

**(**

--INSERT INTO sailw0915v.aw4

**SELECT** **DISTINCT** a**.\*,**super**.**person\_spell\_num\_PE**,** **dense\_rank()** over **(partition** **by** a**.**alf\_pe**,** super**.**person\_spell\_num\_pe **order** **by** a**.**admis\_dt**)** **as** spell\_seq

**FROM** sailw0915v**.**aw3 a

**inner** **join** sail0915v**.**PEDW\_SUPERSPELL\_20190515 super

**on** super**.**spell\_num\_PE **=** a**.**spell\_NUM\_PE

**AND** super**.**EPI\_NUM **=** a**.**epi\_num

**AND** super**.**prov\_unit\_cd**=** a**.**prov\_unit\_cd

**)**

**WITH** **NO** **DATA**

---------------------------------------------

**CREATE** **TABLE** sailw0915v**.**aw\_superspell **AS**

**(**

--INSERT INTO sailw0915v.aw\_superspell

**SELECT** **DISTINCT** a**.**alf\_pe**,** a**.**person\_spell\_num\_pe**,** b**.**prov\_unit\_cd**,** b**.**spell\_num\_pe

**FROM** sailw0915v**.**aw4 a

**JOIN** sail0915v**.**PEDW\_superSPELL\_20190515 b

**ON** a**.**person\_spell\_num\_pe **=** b**.**person\_spell\_num\_pe

**)**

**WITH** **NO** **DATA**

---------------------------------------------

**CREATE** **TABLE** sailw0915v**.**aw\_spell **AS**

**(**

--INSERT INTO sailw0915v.aw\_spell

**SELECT** **DISTINCT** a**.**alf\_pe**,** a**.**person\_spell\_num\_pe**,**a**.**spell\_num\_pe**,** b**.**admis\_dt**,**a**.**prov\_unit\_cd**,** b**.**disch\_dt **FROM**

sailw0915v**.**aw\_superspell a

**JOIN** sail0915v**.**pedw\_spell\_20190515 b

**on** a**.**spell\_num\_pe**=** b**.**spell\_num\_pe

**AND** a**.**prov\_unit\_cd**=** b**.**prov\_unit\_cd

**order** **BY** spell\_num\_pe**,** admis\_dt**,** disch\_dt

**)**

**WITH** **NO** **DATA**

---------------------------------------------

**CREATE** **TABLE** sailw0915v**.**aw\_spellseq **AS** **(**

--INSERT INTO sailw0915v.aw\_spellseq

**SELECT** a**.\*,** **dense\_rank()** over **(partition** **by** a**.**alf\_pe **order** **by** a**.**admis\_dt**)** **as** admis\_seq

**FROM** sailw0915v**.**aw\_spell a

**)**

**WITH** **NO** **DATA**

---------------------------------------------

**CREATE** **TABLE** sailw0915v**.**aw\_first\_admis **AS** **(**

--INSERT INTO sailw0915v.aw\_first\_admis

**SELECT** a**.\*,** **CASE** **WHEn** admis\_seq **=** '1' **THEN** admis\_dt **ELSE** **NULL** **END** **AS** first\_admis**,**

**CASE** **WHEN** admis\_seq **=** '1' **THEN** person\_spell\_num\_pe **ELSE** **NULL** **END** **AS** first\_person\_spell\_num\_pe

**FROM** sailw0915v**.**aw\_spellseq a

**)**

**WITH** **NO** **DATA**

---------------------------------------------

**CREATE** **TABLE** sailw0915v**.**aw\_first\_disch **AS** **(**

--INSERT INTO sailw0915v.aw\_first\_disch

**SELECT** **DISTINCT** a**.**alf\_pe**,** a**.**first\_person\_spell\_num\_pe**,** a**.**first\_admis**,** b**.**admis\_dt**,** b**.**disch\_dt **,** b**.**spell\_num\_pe**,** b**.**prov\_unit\_cd**,** b**.**admis\_seq

**FROM** sailw0915v**.**aw\_first\_admis a

**JOIN** sailw0915v**.**aw\_spellseq b

**ON** a**.**alf\_pe **=** b**.**alf\_pe

**AND** a**.**first\_person\_spell\_num\_pe **=**b**.**person\_spell\_num\_pe

**)** **with** **NO** **DATA**

---------------------------------------------

**CREATE** **TABLE** sailw0915v**.**aw\_first **AS** **(**

--insert into sailw0915v.aw\_first

**SELECT** p**.\*,** **CASE** **WHEN** disch\_seq **=** 1 **THEN** disch\_dt **ELSE** **NULL** **END** **AS** first\_disch **FROM**

**(SELECT** a**.\*,** **dense\_rank()** over **(partition** **BY** alf\_pe **order** **by** disch\_dt **desc)** **as** disch\_seq

**FROM** sailw0915v**.**aw\_first\_disch a**)** p

**)**

**with** **NO** **DATA**

---------------------------------------------

**CREATE** **TABLE** sailw0915v**.**aw\_fnl **AS** **(**

--INSERT INTO sailw0915v.aw\_fnl

**SELECT** a**.\*** **FROM** sailw0915v**.**aw\_first a

**WHERE** disch\_seq **=** '1'

**)** **WITH** **NO** **DATA**

---------------------------------------------

**CREATE** **TABLE** sailw0915v**.**aw\_pedw1 **AS** **(**

--INSERT INTO sailw0915v.aw\_pedw1

**SELECT** a**.**alf\_pe**,** a**.**FIRST\_person\_spell\_num\_pe**,** a**.**first\_admis**,** a**.**first\_disch**,**b**.**AGE\_EPI\_STR\_YR**,** b**.**admis\_dt**,** admis\_mthd\_cd**,**

b**.**DISCH\_DT**,** b**.**DISCH\_DESTINATION\_CD**,** b**.**SPELL\_DUR**,** b**.**spell\_num\_pe**,** b**.**REF\_ORG\_CD**,** b**.**EPI\_STR\_DT**,**

b**.**epi\_end\_dt**,** b**.**epi\_dur**,**b**.**epi\_num**,**

b**.**DUR\_ELECT\_WAIT**,** b**.**CON\_SPEC\_CD\_OF\_TREAT**,**

b**.**prov\_unit\_cd**,**b**.**CURR\_PROV\_UNIT\_CD

**FROM** sailw0915v**.**aw\_fnl a

**JOIN** **(**

**SELECT** **DISTINCT** spell**.**ALF\_PE**,**AGE\_EPI\_STR\_YR**,** SPELL**.**admis\_dt**,** admis\_mthd\_cd**,** SPELL**.**DISCH\_DT**,** SPELL**.**DISCH\_DESTINATION\_CD**,** SPELL**.**SPELL\_DUR**,** spell**.**spell\_num\_pe**,** SPELL**.**REF\_ORG\_CD**,** EPI**.**EPI\_STR\_DT**,**

EPI**.**epi\_end\_dt**,** EPI**.**epi\_dur**,**EPI**.**epi\_num**,**

SPELL**.**DUR\_ELECT\_WAIT**,** EPI**.**CON\_SPEC\_CD\_OF\_TREAT**,**

EPI**.**prov\_unit\_cd**,**EPI**.**CURR\_PROV\_UNIT\_CD

**FROM** SAIL0915V**.**PEDW\_SPELL\_20190515 SPELL

**INNER** **JOIN** SAIL0915v**.**PEDW\_EPISODE\_20190515 EPI

**ON** SPELL**.**PROV\_UNIT\_CD **=** EPI**.**PROV\_UNIT\_CD

**AND** SPELL**.**SPELL\_NUM\_PE **=** EPI**.**SPELL\_NUM\_PE

**)**b

**ON** a**.**alf\_pe **=** b**.**alf\_pe

**)**

**WITH** **NO** **DATA**

---------------------------------------------

**CREATE** **TABLE** sailw0915v**.**aw\_pedw2 **AS** **(**

--INSERT INTO sailw0915v.aw\_pedw2

**SELECT** a**.\*,** x**.**oper\_cd\_123**,** X**.**OPER\_DESC\_123**,** z**.**oper\_cd**,**z**.**oper\_desc\_4**,**

OPER**.**OPER\_num **FROM**

sailw0915v**.**aw\_pedw1 a

**inner** **JOIN** SAIL0915V**.**PEDW\_OPER\_20190515 OPER

**ON** a**.**PROV\_UNIT\_CD **=** OPER**.**PROV\_UNIT\_CD

**AND** a**.**SPELL\_NUM\_PE **=** OPER**.**SPELL\_NUM\_PE

**and** a**.**epi\_num **=** OPER**.**epi\_num

**inner** **JOIN** SAILREFRV**.**OPCS4\_OPER\_CD\_123 x

**on** X**.**OPER\_CD\_123 **=** OPER**.**OPER\_CD\_123

**inner** **JOIN** SAILREFRV**.**OPCS4\_OPER\_CD z

**on** z**.**OPER\_CD **=** OPER**.**OPER\_CD

**)**

**WITH** **NO** **DATA**

---------------------------------------------

**CREATE** **TABLE** sailw0915v**.**aw\_pedw3 **AS**

**(**

--INSERT INTO sailw0915v.aw\_pedw3

**SELECT** **distinct** a**.\*,** o**.**opcs\_type

**FROM** sailw0915v**.**aw\_pedw2 a

**LEFT** **JOIN** sailw0915v**.**aw\_OPCS\_CODES o

**ON** a**.**oper\_CD **=** o**.**code\_without\_decimal

**)**

**WITH** **NO** **DATA**

---------------------------------------------

**CREATE** **TABLE** sailw0915v**.**aw\_pedw4 **AS**

**(**

--INSERT INTO sailw0915v.aw\_pedw4

**SELECT** **DISTINCT** a**.\*,**super**.**person\_spell\_num\_PE**,** **dense\_rank()** over **(partition** **by** a**.**alf\_pe**,** super**.**person\_spell\_num\_pe **order** **by** a**.**admis\_dt**)** **as** spell\_seq

**FROM** sailw0915v**.**aw\_pedw3 a

**left** **join** sail0915v**.**PEDW\_SUPERSPELL\_20190515 super

**on** super**.**spell\_num\_PE **=** a**.**spell\_NUM\_PE

**AND** super**.**EPI\_NUM **=** a**.**epi\_num

--AND super.prov\_unit\_cd= a.prov\_unit\_cd

**)**

---------------------------------------------

**CREATE** **TABLE** sailw0915v**.**aw\_pedw\_icd1 **AS** **(**

--INSERT INTO sailw0915v.aw\_pedw\_icd1

**SELECT** a**.\*,**

DIAG**.**diag\_cd\_123**,**DIAG**.**DIAG\_CD\_1234**,**

Y**.**DIAG\_DESC\_4**,** DIAG**.**diag\_num

**FROM**

sailw0915v**.**aw\_pedw1 a

**inner** **JOIN** SAIL0915v**.**PEDW\_DIAG\_20190515 DIAG

**ON** a**.**PROV\_UNIT\_CD **=** DIAG**.**PROV\_UNIT\_CD

**AND** a**.**SPELL\_NUM\_PE **=** DIAG**.**SPELL\_NUM\_PE

**and** a**.**epi\_num **=** DIAG**.**epi\_num

**inner** **JOIN** SAILREFRV**.**ICD10\_DIAG\_CD y

**ON** y**.**DIAG\_CD **=** DIAG**.**DIAG\_CD

**)**

**WITH** **NO** **DATA**

---------------------------------------------

**CREATE** **TABLE** sailw0915v**.**aw\_pedw\_icd2 **AS**

**(**

--INSERT INTO sailw0915v.aw\_pedw\_icd2

**SELECT** **distinct** a**.\*,** i**.**icd\_type

**FROM** sailw0915v**.**aw\_pedw\_icd1 a

**LEFT** **JOIN**

sailw0915v**.**ICD\_codes i

**on** a**.**diag\_cd\_123 **=** i**.**diag\_cd\_123

**AND** a**.**diag\_Cd\_1234 **=** i**.**diag\_Cd\_4

**)**

**WITH** **NO** **DATA**

---------------------------------------------

**CREATE** **TABLE** sailw0915v**.**aw\_pedw\_icd3 **AS**

**(**

--INSERT INTO sailw0915v.aw\_pedw\_icd3

**SELECT** **DISTINCT** a**.\*,**super**.**person\_spell\_num\_PE**,** **dense\_rank()** over **(partition** **by** a**.**alf\_pe**,** super**.**person\_spell\_num\_pe **order** **by** a**.**admis\_dt**)** **as** spell\_seq

**FROM** sailw0915v**.**aw\_pedw\_icd2 a

**inner** **join** sail0915v**.**PEDW\_SUPERSPELL\_20190515 super

**on** super**.**spell\_num\_PE **=** a**.**spell\_NUM\_PE

**AND** super**.**EPI\_NUM **=** a**.**epi\_num

**AND** super**.**prov\_unit\_cd**=** a**.**prov\_unit\_cd

**)**

**WITH** **NO** **DATA**

---------------------------------------------

**CREATE** **TABLE** sailw0915v**.**aw\_Hosp\_master **AS** **(**

--INSERT INTO sailw0915v.aw\_Hosp\_master

**select** **DISTINCT** a**.**alf\_pe**,** a**.**first\_person\_spell\_num\_pe**,** a**.**FIRST\_admis**,** a**.**first\_disch**,** age\_epi\_str\_yr**,** epi\_str\_dt**,**epi\_end\_dt**,** epi\_dur**,** epi\_num**,** a**.**prov\_unit\_cd**,**

diag\_cd\_123**,** diag\_cd\_1234**,** diag\_desc\_4**,**

diag\_num**,** ICD\_type**,** a**.**admis\_dt**,** a**.**disch\_dt**,** a**.**person\_spell\_num\_pe**,** a**.**spell\_num\_pe**,**

-- a.bafta,

b**.**min\_spell\_start**,** b**.**max\_disch\_dt

--a.\*, b.min\_spell\_start, b.max\_disch\_dt

**from**

**(select** **\*** **from** sailw0915v**.**aw\_pedw\_icd3**)** a

**inner** **join**

**(select** **distinct** h**.**alf\_pe**,**h**.**person\_spell\_num\_pe**,**h**.**prov\_unit\_cd**,**i**.**min\_spell\_start**,**i**.**max\_disch\_dt **from**

**(select** **\*** **from** sailw0915v**.**aw\_pedw\_icd3**)** h

**inner** **join**

**(select** **distinct** alf\_pe**,** person\_spell\_num\_pe**,** **min(**admis\_dt**)** **as** min\_spell\_start**,** **max(**disch\_dt**)** **as** max\_disch\_dt **from** sailw0915v**.**aw\_pedw\_icd3

**group** **BY** alf\_pe**,** person\_spell\_num\_pe**)** i

**on** h**.**alf\_pe **=** i**.**alf\_pe

**and** h**.**person\_spell\_num\_pe **=** i**.**person\_spell\_num\_pe

**and** **(**h**.**disch\_dt **=** i**.**max\_disch\_dt **or** h**.**admis\_dt **=** i**.**min\_spell\_start**)**

**)** b

**on** a**.**alf\_pe **=** b**.**alf\_pe

**and** a**.**person\_spell\_num\_pe **=** b**.**person\_spell\_num\_pe

**AND** a**.**prov\_unit\_cd**=**b**.**prov\_unit\_cd

--order by a.alf\_pe, a.person\_spell\_num\_pe,a.spell\_seq, admis\_dt

**ORDER** **BY** alf\_pe**,**admis\_dt

**)**

**WITH** **NO** **DATA**

---------------------------------------------

**CREATE** **TABLE** sailw0915v**.**aw\_icd\_bafta **AS** **(**

-- INSERT INTO sailw0915v.aw\_icd\_bafta

**SELECT** a**.\*,**

**CASE** **WHEN** min\_spell\_start **<** first\_admis **THEN** 'before'

**WHEN** max\_disch\_dt **>** first\_disch **THEN** 'after'

**ELSE** 'during' **END** **AS** bafta

**FROM** sailw0915v**.**aw\_Hosp\_master a

**)**

**WITH** **NO** **DATA**

---------------------------------------------

**create** **table** sailw0915v**.**aw\_ICDTIME **as**

**(**

--insert into sailw0915v.aw\_ICDTIME

**select** b**.\*** **FROM**

**(SELECT** a**.\*,** DAYS **(**min\_spell\_start**)** **-** DAYS **(**first\_disch**)** **AS** time\_since\_disch

**FROM** sailw0915v**.**aw\_icd\_bafta a**)**b

**WHERE** time\_since\_disch **>**0

**AND** bafta **=** 'after'

**)**

**WITH** **NO** **DATA**

---------------------------------------------

**create** **table** sailw0915v**.**aw\_ICDTIME\_before **as**

**(**

--insert into sailw0915v.aw\_ICDTIME\_before

**select** b**.\*** **FROM**

**(SELECT** a**.\*,** DAYS **(**FIRST\_ADMIS**)** **-** DAYS **(**max\_DISCH\_DT**)** **AS** time\_since\_disch

**FROM** sailw0915v**.**aw\_icd\_bafta a**)**b

**WHERE** bafta **=** 'before'

**AND** time\_since\_disch **>**0

**ORDER** **BY** disch\_dt

**)**

**WITH** **NO** **DATA**

---------------------------------------------

**create** **table** sailw0915v**.**aw\_ICD\_closest **as(**

--insert into sailw0915v.aw\_ICD\_closest

**with** closest **as**

**(**

**select** **\*** **from**

**(select** **distinct** alf\_pe**,** DIAG\_CD\_123**,**DIAG\_CD\_1234**,**ICD\_TYPE**,** **min(**time\_since\_disch**)** **as** closest\_time **from** sailw0915v**.**aw\_ICDTIME

**group** **by** alf\_pe**,** DIAG\_CD\_123**,**DIAG\_CD\_1234**,**ICD\_TYPE**)**

**where** closest\_time **>**0

**order** **by** alf\_pe**,** DIAG\_CD\_123**,**DIAG\_CD\_1234**,**ICD\_TYPE**)**

**select** a**.\*** **from** sailw0915v**.**aw\_ICDTIME a

**inner** **join** closest c

**on** a**.**alf\_pe **=** c**.**alf\_pe

**and** a**.**DIAG\_CD\_1234 **=** c**.**DIAG\_CD\_1234

**and** a**.**time\_since\_disch **=** c**.**closest\_time

**and** a**.**DIAG\_CD\_123**=**c**.**DIAG\_CD\_123

**and** a**.**ICD\_TYPE **=** c**.**ICD\_TYPE

--AND bafta= 'after'

**)**

**with** **no** **data;**

---------------------------------------------

**create** **table** sailw0915v**.**aw\_opcsjoined **as(**

**SELECT** three**.\*,** four**.**oper\_cd **as** oper\_cd\_4**,** four**.**oper\_desc\_4 **FROM** SAILREFRV**.**OPCS4\_OPER\_CD\_123 three

**inner** **join** SAILREFRV**.**OPCS4\_OPER\_CD\_42 four

**on** three**.**oper\_cd\_123 **=** **substr(**four**.**oper\_cd**,**1**,**3**)**

**)**

**with** **no** **data;**

**insert** **into** sailw0915v**.**aw\_opcsjoined

**SELECT** three**.\*,** four**.**oper\_cd **as** oper\_cd\_4**,** four**.**oper\_desc\_4 **FROM** SAILREFRV**.**OPCS4\_OPER\_CD\_123 three

**inner** **join** SAILREFRV**.**OPCS4\_OPER\_CD\_42 four

**on** three**.**oper\_cd\_123 **=** **substr(**four**.**oper\_cd**,**1**,**3**);**

**Create** **table** sailw0915v**.**aw\_OPCS\_CODES **as** **(**

--Insert into sailw0915v.aw\_OPCS\_CODES

--------OPCS translum Balloon angioplasty and stenting-----------------------------------------------------

**SELECT** **distinct** R**.\*,** 'Balloon\_STENT' **as** OPCS\_TYPE **FROM** sailukhdv**.**opcs4\_codes\_and\_titles R

**where** CODE\_WITHOUT\_DECIMAL **like** 'K75%'

**union**

-----------------------angiography----------------------------------------------------------------------

**SELECT** **distinct** R**.\*,** 'angio' **as** OPCS\_TYPE **FROM** sailukhdv**.**opcs4\_codes\_and\_titles R

**where** CODE\_WITHOUT\_DECIMAL **like** 'K63%'

**or** CODE\_WITHOUT\_DECIMAL **in** **(**'K508'**,**'K518'**)**

**union**

---------------------------angio\_injection----------------------------------------

**SELECT** **distinct** R**.\*,** 'angio\_injection' **as** OPCS\_TYPE **FROM** sailukhdv**.**opcs4\_codes\_and\_titles R

**where** CODE\_WITHOUT\_DECIMAL **=** 'K503'

**union**

-------------------------------angio\_atherectomy-----------------------

**SELECT** **distinct** R**.\*,** 'angio\_atherectomy' **as** OPCS\_TYPE **FROM** sailukhdv**.**opcs4\_codes\_and\_titles R

**where** CODE\_WITHOUT\_DECIMAL **=** 'K504'

**union**

----------------------FFR------------------------------------------------------------------------------

**SELECT** **distinct** R**.\*,** 'FFR' **as** OPCS\_TYPE **FROM** sailukhdv**.**opcs4\_codes\_and\_titles R

**where** CODE\_WITHOUT\_DECIMAL **like** 'K51%'

**union**

---------------------DES%BMS------------------------------------------------------------------------------

**SELECT** **distinct** R**.\*,** 'DES\_BMS' **as** OPCS\_TYPE **FROM** sailukhdv**.**opcs4\_codes\_and\_titles R

**where** CODE\_WITHOUT\_DECIMAL **like** 'Y142%'

**or** CODE\_WITHOUT\_DECIMAL **like** 'Y143%'

**or** CODE\_WITHOUT\_DECIMAL **like** 'Y141%'

**union**

---------------Balloon-Angioplasty------------------------------------------------------------------------

**SELECT** **distinct** R**.\*,** 'Balloon' **as** OPCS\_TYPE **FROM** sailukhdv**.**opcs4\_codes\_and\_titles R

**where** CODE\_WITHOUT\_DECIMAL **like** 'K49%'

**union**

--------------------cabg------------------------------------------------------------------------------------------

**SELECT** **distinct** R**.\*,** 'CABG' **as** OPCS\_TYPE **FROM** sailukhdv**.**opcs4\_codes\_and\_titles R

**where** CODE\_WITHOUT\_DECIMAL **like** 'Y731%'

**or** CODE\_WITHOUT\_DECIMAL **in** **(**'K402'**,**'K403'**,**'K401'**,**'K404'**,**'K408'**,**'K409'**,**'K431'**,**'K442'**,**'K451'**,**'K453'**,**'K454'**,**'K471'**,**

'K411'**,**'K412'**,**'K413'**,**'K414'**,**'K418'**,**'K419'**,**

'K421'**,**'K422'**,**'K423'**,**'K424'**,**'K428'

**)**

**union**

----------------------presence----------------------------------------------------

**SELECT** **distinct** R**.\*,** 'presence' **as** OPCS\_TYPE **FROM** sailukhdv**.**opcs4\_codes\_and\_titles R

**where** CODE\_WITHOUT\_DECIMAL **like** 'Z955%'

**)**

**with** **no** **data;**

**create** **table** sailw0915v**.**icdjoined **as(**

--insert into sailw0915v.icdjoined

**SELECT** three**.\*,** four**.**diag\_cd\_4**,** four**.**diag\_desc\_4 **FROM** SAILREFRV**.**ICD10\_DIAG\_CD\_123 three

**inner** **join** SAILREFRV**.**ICD10\_DIAG\_CD\_4 four

**on** three**.**diag\_cd\_123 **=** **substr(**four**.**diag\_cd\_4**,**1**,**3**)**

**)**

**with** **no** **data;**

**SELECT** **\*** **FROM** sailw0915v**.**icdjoined

**create** **table** sailw0915v**.**ICD\_codes **as(**

--insert into sailw0915v.ICD\_codes

--------stroke ICD------------------------------------------

**SELECT** **distinct** R**.\*,** 'stroke' **as** icd\_type **FROM** sailw0915v**.**icdjoined R

**where** DIAG\_CD\_4 **in** **(**'I693'**,** 'I694'**,**'G459'**,**'G458'**)** --------------added in TIA codes 30062017

**or** DIAG\_CD\_123 **LIKE** 'I63%'

**or** DIAG\_CD\_123 **like** 'I64%'

**or** DIAG\_CD\_123 **like** 'I65%'

**or** DIAG\_CD\_123 **like** 'I66%'

**union**

----------IHD-------------------------------------------------

**SELECT** **distinct** R**.\*,** 'IHD' **as** icd\_type **FROM** sailw0915v**.**icdjoined R

**where** DIAG\_CD\_4 **in** **(**'I201'**,**'I208'**,**'I209'**,**'I240'**,**'I248'**,**'I250'**,**'I251'**,**'I258'**)**

**union**

------------------Unstable angina---------------------

**SELECT** **distinct** R**.\*,** 'UA' **as** icd\_type **FROM** sailw0915v**.**icdjoined R

**where** DIAG\_CD\_4 **in** **(**'I200'**,**'I249'**)**

--or DIAG\_CD\_123 like 'I23%'

--or DIAG\_CD\_123 like 'I22%'

**union**

-----------MI------------------------------------------------

**SELECT** **distinct** R**.\*,** 'MI' **as** icd\_type **FROM** sailw0915v**.**icdjoined R

**where** DIAG\_CD\_123 **like** 'I21%'

**or** DIAG\_CD\_123 **like** 'I22%'

**union**

---------------Heart failure-------------

**SELECT** **distinct** R**.\*,** 'heartfailure' **as** icd\_type **FROM** sailw0915v**.**icdjoined R

**where** DIAG\_CD\_123 **like** 'I50%'

**union**

-----------Valvular----------------------

**SELECT** **distinct** R**.\*,** 'valvular' **as** icd\_type **FROM** sailw0915v**.**icdjoined R

**where** DIAG\_CD\_123 **like** 'I34%'

**or** DIAG\_CD\_123 **like** 'I35%'

**or** DIAG\_CD\_123 **like** 'I36%'

**or** DIAG\_CD\_123 **like** 'I37%'

**or** DIAG\_CD\_123 **like** 'I39%'

**or** DIAG\_CD\_123 **like** 'I01%'

**or** DIAG\_CD\_123 **like** 'I05%'

**or** DIAG\_CD\_123 **like** 'I06%'

**or** DIAG\_CD\_123 **like** 'I07%'

**or** DIAG\_CD\_123 **like** 'I08%'

**or** DIAG\_CD\_123 **like** 'I09%'

**or** DIAG\_CD\_4 **in** **(**'Z9254'**,**'Z953'**,**'Z952'**,**'Q230'**)**

**union**

---------------hypertension---------------------------------------

**SELECT** **distinct** R**.\*,** 'valvular' **as** icd\_type **FROM** sailw0915v**.**icdjoined R

**where** DIAG\_CD\_123 **like** 'I10%'

**or** DIAG\_CD\_123 **like** 'I11%'

**or** DIAG\_CD\_123 **like** 'I12%'

**or** DIAG\_CD\_123 **like** 'I13%'

**or** DIAG\_CD\_123 **like** 'I15%'

**union**

---------Haem stroke----------------------------

**SELECT** **distinct** R**.\*,** 'haemstroke' **as** icd\_type **FROM** sailw0915v**.**icdjoined R

**where** DIAG\_CD\_123 **like** 'I60%'

**or** DIAG\_CD\_123 **like** 'I61%'

--or DIAG\_CD\_123 like 'I62%'

**or** DIAG\_CD\_4 **in** **(**'I690'**,**'I691'**,**'I692'**,**'I629'**)**

**union**

---------------------------other haemorrhage---------------------

**SELECT** **distinct** R**.\*,** 'other\_haemorrhage' **as** icd\_type **FROM** sailw0915v**.**icdjoined R

**where** DIAG\_CD\_4 **in** **(**'I620'**,**'I621'**,**'S064'**,**'S065'**,**'S066'**)**

**union**

--------thrombo\_embolism-----------------------------------------------------

**SELECT** **distinct** R**.\*,** 'thrombo\_embolism' **as** icd\_type **FROM** sailw0915v**.**icdjoined R

**where** DIAG\_CD\_123 **like** 'I74%'

**union**

-----------------AF-----------

**SELECT** **distinct** R**.\*,** 'AF' **as** icd\_type **FROM** sailw0915v**.**icdjoined R

**where** DIAG\_CD\_123 **like** 'I48'

**union**

-------------diabetes----------------

**SELECT** **distinct** R**.\*,** 'DM' **as** icd\_type **FROM** sailw0915v**.**icdjoined R

**where** DIAG\_CD\_123 **like** 'E10'

**or** DIAG\_CD\_123 **like** 'E11'

**or** DIAG\_CD\_123 **like** 'E12'

**or** DIAG\_CD\_123 **like** 'E13'

**or** DIAG\_CD\_123 **like** 'E14'

**union**

--------------liver------------------------------------------------

**SELECT** **distinct** R**.\*,** 'liver' **as** icd\_type **FROM** sailw0915v**.**icdjoined R

**where** DIAG\_CD\_123 **like** 'K70'

**or** DIAG\_CD\_123 **like** 'K71'

**or** DIAG\_CD\_123 **like** 'K72'

**or** DIAG\_CD\_123 **like** 'K73'

**or** DIAG\_CD\_123 **like** 'K74'

**or** DIAG\_CD\_123 **like** 'K75'

**or** DIAG\_CD\_123 **like** 'K76'

**or** DIAG\_CD\_123 **like** 'K77'

**or** DIAG\_CD\_123 **like** 'R16'

**or** DIAG\_CD\_123 **like** 'R17'

**union**

----------renal------------------------------------------------------

**SELECT** **distinct** R**.\*,** 'renal' **as** icd\_type **FROM** sailw0915v**.**icdjoined R

**where** DIAG\_CD\_123 **like** 'N17'

**or** DIAG\_CD\_123 **like** 'N18'

**or** DIAG\_CD\_123 **like** 'N19'

**or** DIAG\_CD\_123 **like** 'R34'

**union**

------------malignant------------------------------

**SELECT** **distinct** R**.\*,** 'malignant' **as** icd\_type **FROM** sailw0915v**.**icdjoined R

**where** DIAG\_CD\_123 **between** 'C00' **and** 'C97'

**union**

----------------lipid--------------------

**SELECT** **distinct** R**.\*,** 'lipid' **as** icd\_type **FROM** sailw0915v**.**icdjoined R

**where** DIAG\_CD\_123 **like** 'E78'

**union**

-------------------bleeding Danish-------------------------------

**SELECT** **distinct** R**.\*,** 'bleeding' **as** icd\_type **FROM** sailw0915v**.**icdjoined R

**where** DIAG\_CD\_4 **in** **(**'K250'**,**'K254'**,**'K260'**,**'K264'**,**'K270'**,**'K280'**,**'K920'**,**'K921'**,**'K922'**,**

'R31X'**,**'N028'**,**'N029'**,**'R042'**,**'R048'**,**'J942'**,**'R31x'**,** 'R049'**,** 'R040'**,**'R041'**)**

**OR** DIAG\_CD\_123 **IN** 'R04'

**union**

---------------------------------------------------------------------------------------------------------------

**SELECT** **distinct** R**.\*,** 'Add\_bleed' **as** icd\_type **FROM** sailw0915v**.**icdjoined R

**where** DIAG\_CD\_4 **IN** **(**'K226'**,**'I850'**)**

**union**

-------------------------------------------------------------------------------------

**SELECT** **distinct** R**.\*,** 'PAD' **as** icd\_type **FROM** sailw0915v**.**icdjoined R --------------contain PAD,

--where DIAG\_CD\_123 like

**where** DIAG\_CD\_4 **in** **(**'I739'**,**'I738'**)**

**union**

------------------------------------aortic plaque----------------------------------------------

**SELECT** **distinct** R**.\*,** 'aortic\_paque' **as** icd\_type **FROM** sailw0915v**.**icdjoined R

**where** DIAG\_CD\_4 **in** **(**'I700'**,**'I702'**)**

**)** **with** **no** **data;**

**CREATE** **TABLE** sailw0915v**.**aw\_base **AS** **(**

--INSERT INTO sailw0915v.aw\_base

**SELECT** **DISTINCT** alf\_pe**,** first\_admis**,** first\_disch

**FROM** sailw0915v**.**aw\_Hosp\_master

**)**

**WITH** **NO** **DATA**

-------------------------------------------------------

**CREATE** **table** sailw0915v**.**aw\_base1 **AS** **(**

--INSERT INTO sailw0915v.aw\_base1

**SELECT** a**.**alf\_pe**,** a**.**first\_admis**,** a**.**first\_disch**,** pa**.**wob**,** pa**.**gndr\_cd**,** pa**.**prac\_cd\_pe**,** pa**.**local\_num\_pe

**FROM** sailw0915v**.**aw\_base a

**JOIN**

sail0915v**.**wlgp\_patient\_alf\_cleansed\_20180820 pa

**ON** a**.**alf\_pe**=** pa**.**alf\_pe

**)**

**WITH** **NO** **DATA**

------------------------------------------------------

**CREATE** **TABLE** sailw0915v**.**aw\_base2 **AS** **(**

--INSERT INTO sailw0915v.aw\_base2

**SELECT** pa**.\*,** gp**.**event\_dt**,** gp**.**event\_cd**,**rdcd**.**pref\_term\_30**,**rdcd**.**pref\_term\_60**,**gp**.**event\_val

**from** sailw0915v**.**aw\_base1 pa

**JOIN**

sail0915v**.**wlgp\_gp\_event\_cleansed\_20180820 gp

**on** pa**.**prac\_cd\_pe **=** gp**.**prac\_cd\_pe

**and** pa**.**local\_num\_pe **=** gp**.**local\_num\_pe

**inner** **join** SAILUKHDV**.**read\_cd\_cv2\_scd rdcd -- read code list - use your own (unioned) table if you want

**on** gp**.**event\_cd **=** rdcd**.**read\_code

**)**

**WITH** **NO** **data**

**create** **table** Sailw0915v**.**aw\_gp\_data1 **as** **(**

--Insert into Sailw0915v.aw\_gp\_data1

**select** a**.\*,** comb**.**read\_type**,**comb**.**read\_cat **FROM**

sailw0915v**.**aw\_base2 a

**left** **join**

-- union morb and drugs to reflect gp data structure

**(**

**select** **\*** **from**

**(select** **distinct** read\_code**,** read\_type**,** 'morb' **as** read\_cat **from** sailw0915v**.**morbidities\_update1 morb**)**

**union**

**(select** **distinct** read\_code**,** read\_type**,** read\_cat **from** sailw0915v**.**aw\_drug\_master\_codesgrouped**)**

**)** comb

**on** a**.**event\_cd **=** comb**.**read\_code

**left** **join** sailw0915v**.**aw\_drug\_master\_codesgrouped drug

**on** a**.**event\_cd **=** drug**.**read\_code

**where** a**.**alf\_pe **is** **not** **null**

**order** **by** alf\_pe**,** event\_dt

**)**

**with** **no** **data;**

**create** **table** Sailw0915v**.**aw\_gp\_data1 **as** **(**

--Insert into Sailw0915v.aw\_gp\_data1

**select** a**.\*,** comb**.**read\_type**,**comb**.**read\_cat **FROM**

sailw0915v**.**aw\_base2 a

**left** **join**

-- union morb and drugs to reflect gp data structure

**(**

**select** **\*** **from**

**(select** **distinct** read\_code**,** read\_type**,** 'morb' **as** read\_cat **from** sailw0915v**.**morbidities\_update1 morb**)**

**union**

**(select** **distinct** read\_code**,** read\_type**,** read\_cat **from** sailw0915v**.**aw\_drug\_master\_codesgrouped**)**

**)** comb

**on** a**.**event\_cd **=** comb**.**read\_code

**left** **join** sailw0915v**.**aw\_drug\_master\_codesgrouped drug

**on** a**.**event\_cd **=** drug**.**read\_code

**where** a**.**alf\_pe **is** **not** **null**

**order** **by** alf\_pe**,** event\_dt

**)**

**with** **no** **data;**

----------------------------------------------

**CREATE** **TABLE** sailw0915v**.**aw\_gp\_bafta **AS** **(**

--INSERT INTO sailw0915v.aw\_gp\_bafta

**SELECT** a**.\*,** **CASE** **WHEN** event\_dt **<** first\_admis **THEN** 'before'

**WHEN** event\_dt **>** first\_disch **THEN** 'after'

**ELSE** 'during' **END** **AS** bafta

**FROM** Sailw0915v**.**aw\_gp\_data1 A

**)** **WITH** **NO** **DATA**

-----------------------------------------------

**create** **TABLE** sailw0915v**.**aw\_after **AS** **(**

--INSERT INTO sailw0915v.aw\_after

**SELECT** a**.\*,**days**(**event\_dt**)** **-** days**(**first\_disch**)** **as** time\_since\_disch **from** sailw0915v**.**aw\_gp\_bafta a

**WHERE** bafta **in** **(**'during'**,** 'after'**)**

**)**

**WITH** **NO** **DATA**

-----------------------------------------------

**CREATE** **TABLE** sailw0915v**.**aw\_before **AS** **(**

--insert into sailw0915v.aw\_before

**SELECT** a**.\*,** days**(**first\_admis**)** **-** days**(**event\_dt**)** **AS** time\_before

**FROM** sailw0915v**.**aw\_gp\_bafta a

**WHERE** bafta **=** 'before'

**AND** event\_dt **BETWEEN** first\_admis **-** 25 YEARS **AND** first\_admis

**)** **WITH** **NO** **data**

-----------------------------------------------

**CREATE** **TABLE** sailw0915v**.**aw\_closest\_before **AS** **(**

--INSERT INTO sailw0915v.aw\_closest\_before

**with** closest **as**

**(**

**select** **\*** **from**

**(select** **distinct** alf\_pe **,**event\_cd**,** **min(**time\_before**)** **as** closest\_time **from** sailw0915v**.**aw\_before

**group** **by** alf\_pe**,** event\_cd**)**

--where read\_type is not null

**order** **by** alf\_pe**,** event\_cd

**)**

**select** a**.\*** **from** sailw0915v**.**aw\_before a

**inner** **join** closest c

**on** a**.**alf\_pe **=** c**.**alf\_pe

**and** a**.**event\_cd **=** c**.**event\_cd

**and** a**.**time\_before **=** c**.**closest\_time

**)**

**WITH** **no** **DATA**

-------------------------------------------------

**create** **table** sailw0915v**.**aw\_closest\_after60 **as(**

--insert into sailw0915v.aw\_closest\_after60

**with** closest **as**

**(**

**select** **\*** **from**

**(select** **distinct** alf\_pe **,**event\_cd**,** **min(**time\_since\_disch**)** **as** closest\_time **from** sailw0915v**.**aw\_after

**group** **by** alf\_pe**,** event\_cd**)**

--where read\_type is not null

**where** closest\_time **>=**60

**order** **by** alf\_pe**,** event\_cd

**)**

**select** a**.\*** **from** sailw0915v**.**aw\_after a

**inner** **join** closest c

**on** a**.**alf\_pe **=** c**.**alf\_pe

**and** a**.**event\_cd **=** c**.**event\_cd

**and** a**.**time\_since\_disch **=** c**.**closest\_time

**)**

**with** **no** **data;**

--------------------------------------------------

**create** **table** sailw0915v**.**aw\_regmatch **as(**

--insert into sailw0915v.aw\_regmatch

**SELECT** p**.\*,** days**(**first\_admis**)** **-** days**(**start\_date**)** **AS** days\_before**,** DAYS **(**end\_date**)-** days**(**first\_disch**)** **AS** days\_after

**from**

**(**

**select** **distinct** a**.**alf\_pe**,**a**.**FIRST\_admis**,** a**.**first\_disch**,** b**.**gp\_data\_flag**,** b**.**start\_date**,**b**.**END\_DATE **from** sailw0915v**.**aw\_base1 a

**inner** **join** sail0915v**.**wlgp\_clean\_gp\_reg\_median\_20180820 b

**on** a**.**alf\_pe **=** b**.**alf\_pe

**where** gp\_data\_flag **=** 1

**order** **by** a**.**alf\_pe**)**p

**)** **WITH** **NO** **DATA**

-------------------------------------------------

**create** **table** sailw0915v**.**aw\_deaths **as** **(**

--insert into sailw0915v.aw\_deaths

**select** **distinct** d**.**alf\_pe**,** d**.**death\_dt**,** d**.**deathcause\_diag\_1\_cd**,**i1**.**diag\_desc\_4 **as** **primary,**

d**.**deathcause\_diag\_underlying\_cd**,** i2**.**diag\_desc\_4 **as** underlying

**from** sail0915v**.**adde\_deaths\_20190328 d

**inner** **join** sailw0915v**.**aw\_Hosp\_master a

**on** a**.**alf\_pe **=** d**.**alf\_pe

**left** **join** sailw0915v**.**ICD\_CODES i1

**on** d**.**deathcause\_diag\_1\_cd **=** i1**.**diag\_cd\_4

**left** **join** sailw0915v**.**ICD\_CODES i2

**on** d**.**deathcause\_diag\_underlying\_cd **=** i2**.**diag\_cd\_4

**where** d**.**alf\_pe **is** **not** **null**

**)**

**with** **no** **data**

---------------------------------------------------

**CREATE** **TABLE** sailw0915v**.**daysdeath **AS** **(**

--INSERT INTO sailw0915v.daysdeath

**SELECT** c**.\*,** DAYS **(**death\_dt**)** **-** DAYS **(**first\_disch**)** **AS** days\_to\_death **FROM**

**(**

**SELECT** **DISTINCT** a**.**alf\_pe**,**a**.**death\_dt**,** b**.**first\_disch **FROM** sailw0915v**.**aw\_deaths a

**LEFT** **JOIN**

sailw0915v**.**aw\_Hosp\_master B

**ON** b**.**alf\_pe**=** a**.**alf\_pe **)**

c

**)**

**WITH** **NO** **DATA**

---------------------------------------------------

**CREATE** **TABLE** sailw0915v**.**AW\_time **AS** **(**

-- insert into sailw0915v.AW\_time

**SELECT** a**.\*,** b**.**days\_to\_death**,**B**.**DEATH\_DT

**FROM** sailw0915v**.**aw\_regmatch a

**LEFT** **JOIN** sailw0915v**.**daysdeath b

**ON** a**.**alf\_pe **=** b**.**ALF\_PE

**WHERE** a**.**END\_date **>=** a**.**first\_disch **AND**

a**.**start\_date **<** a**.**first\_admis **AND** a**.**days\_before **>** 90 **AND** a**.**first\_disch **<** '2018-01-01'

**)** **WITH** **NO** **data**

---------------------------------------------------

**create** **table** sailw0915v**.**aw\_drug\_master\_codesgrouped **as(**

--Insert into sailw0915v.aw\_drug\_master\_codesgrouped

**select** r**.\*,** 'H2antag' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **like** 'a61%'

**or** read\_code **like** 'a62%'

**or** read\_code **like** 'a68%'

**or** read\_code **like** 'a69%'

**or** read\_code **like** 'a6d%'

**union**

-----------------------------------ppi-------------------------------------------------------------------------------

**select** r**.\*,** 'ppi' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **like** 'a6b%'

**or** read\_code **like** 'a6c%'

**or** read\_code **like** 'a6e%'

**or** read\_code **like** 'a6f%'

**or** read\_code **like** 'a6h%'

**union**

-----------------------------------------glycosides-----------------------------------------------------

**select** r**.\*,** 'glucoside' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **like** 'b1%'

**union**

---------------------------thiazide--------------------------------------------------------------

**select** r**.\*,** 'thiazide' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **like** 'b2%'

**union**

-----------------------------loop--------------------------------------------------------------------------------------

**select** r**.\*,** 'loop' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **like** 'b3%'

**union**

--------------------------------potsparing---------------------------------------------------------------------------

**select** r**.\*,** 'potsparing' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **like** 'b41%'

**or** read\_code **like** 'b42%'

**or** read\_code **like** 'b44%'

**or** read\_code **like** 'b5%'

**union**

---------------------------Aldo-------------------------------------------------------

**select** r**.\*,** 'Aldo' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **like** 'b43%'

**or** read\_code **like** 'b45%'

**union**

---------------------------ivabradine-----------------------------------------------------

**select** r**.\*,** 'ivabradine' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **like** 'bB%'

**union**

------------------------------------ranolazine----------------------------------------

**select** r**.\*,** 'ranolaz' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **like** 'bD%'

**union**

---------------------------------SVT--------------------------

**select** r**.\*,** 'SVT' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **like** 'bb%'

**union**

-----------------------------VT---------------------------------------------------------------------

**select** r**.\*,** 'VT' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **like** 'bc%'

**union**

----------------------BetaBlocker-----------------------------------------------------------------

**select** r**.\*,** 'Beta' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **like** 'bd%'

**union**

------------------vasodilator--------------------------------------------------------------------

**select** r**.\*,** 'vasodilator' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **like** 'be%'

**union**

-------------------------------------central--------------------------------------------

**select** r**.\*,** 'central' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **like** 'bf%'

**union**

----------------------------------------alfa---------------------------------------------------

**select** r**.\*,** 'alfa' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **like** 'bh%'

**union**

----------------------------------------ACEi-----------------------------------------------------

**select** r**.\*,** 'ACEi' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **like** 'bi%'

**union**

-------------------------------------------ARB--------------------------------------------------

**select** r**.\*,** 'ARB' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **like** 'bk3%'

**or** read\_code **like** 'bk4%'

**or** read\_code **like** 'bk5%'

**or** read\_code **like** 'bk7%'

**or** read\_code **like** 'bk8%'

**or** read\_code **like** 'bkB%'

**or** read\_code **like** 'bkC%'

**or** read\_code **like** 'bkD%'

**or** read\_code **like** 'bkH%'

**or** read\_code **like** 'bkI%'

**union**

----------------------vasodilator-----------------------------------------------------------

**select** r**.\*,** 'vaso' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **like** 'bl%'

**union**

--------------------peripherlVasodilators----------------------------------------------------

**select** r**.\*,** 'peripheral' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **like** 'bn%'

**union**

-------------------cerebralVasodil----------------------------------------------------------

**select** r**.\*,** 'cerebralVaso' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **like** 'bo%'

**union**

------------------------------------------parenteralAnticoag-------------------------------------

**select** r**.\*,** 'parenteralAnticoag' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **like** 'br%'

**union**

---------------vit K-----------------------------------------------------------------

**select** r**.\*,** 'vitK' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **like** 'bs1%'

**OR** READ\_CODE **LIKE** 'bs2%'

**OR** READ\_CODE **LIKE** 'bs3%'

**union**

--------------------------DOAC

**select** r**.\*,** 'doac' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **like** 'bs4%'

**OR** READ\_CODE **LIKE** 'bs7%'

**OR** READ\_CODE **LIKE** 'bs6%'

**OR** read\_code **LIKE** 'bs8%'

**union**

------------------------aspirin--------------------------------------------------------------

**select** r**.\*,** 'aspirin' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **like** 'bu2%'

**OR** READ\_code **=** 'j111.'

**union**

----------------------------p2y12---------------------------------------------

**select** r**.\*,** 'P2Y12' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **like** 'buA%'

**OR** read\_code **LIKE** 'buB%'

**OR** read\_code **LIKE** 'bu5%'

**union**

------------------------------------fibrate-----------------------------------------------------------

**select** r**.\*,** 'fibrate' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **like** 'bx1%'

**or** read\_code **like** 'bx3%'

**or** read\_code **like** 'bx6%'

**or** read\_code **like** 'bxc%'

**or** read\_code **like** 'bxf%'

**union**

----------------------------statin--------------------------------------------------------------------

**select** r**.\*,** 'low\_statin' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **like** 'bxd%'

**or** read\_code **like** 'bxe%'

**or** read\_code **like** 'bxg%'

**or** read\_code **IN** **(**'bxi1.'**,**'bxi2.'**)**

**or** read\_code **like** 'bxj%'

**or** read\_code **IN** **(**'bxkx.'**,**'bxkw.'**)**

**union**

--------------high statin---------------------

**select** r**.\*,** 'high\_statin' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **IN** **(**'bxi3.'**,** 'bxiz.'**,**'bxky.'**,**'bxkz.'**)**

**UNION**

------------------------------otherlipid------------------------------------------------------------------

**select** r**.\*,** 'otherlipid' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **like** 'bx2%'

**or** read\_code **like** 'bx4%'

**or** read\_code **like** 'bx8%'

**or** read\_code **like** 'bx9%'

**or** read\_code **like** 'bxa%'

**or** read\_code **like** 'bxb%'

**or** read\_code **like** 'bxa%'

**or** read\_code **like** 'bxb%'

**or** read\_code **like** 'bxh%'

--or read\_code like 'bxl%'

**or** read\_code **like** 'bxm%'

**or** read\_code **like** 'bxn%'

**UNION**

---------------------------------------

**select** r**.\*,** 'ezetimibe' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **LIKE** 'bxl%'

**union**

--------------------------insulin-------------------------------

**select** r**.\*,** 'insulin' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **LIKE** 'f1%'

**OR** read\_code **LIKE** 'f2%'

**OR** read\_code **LIKE** 'fw%'

**UNION**

------------------------oral antidiabetics----------------------------

**select** r**.\*,** 'antidiab' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **LIKE** 'f3%'

**OR** read\_code **LIKE** 'f4%'

**OR** read\_code **LIKE** 'ft%'

**UNION**

--------------------------

**select** r**.\*,** 'nsaid' **as** read\_type**,** 'drug' **as** read\_cat **from** SAILUKHDV**.**read\_cd\_cv2\_scd r

**where** read\_code **LIKE** 'j2%'

**)with** **no** **data;**

-----------------------------------------------------------------

**CREATE** **TABLE** sailw0915v**.**aw\_disch\_comorb **AS** **(**

--INSERT INTO sailw0915v.aw\_disch\_comorb

**SELECT** y**.\*,**

**CASE** **WHEN** prev\_MI **=** 1 **OR** contemp\_mi**=** 1 **then** 1 **ELSE** 0 **END** **AS** disch\_MI**,**

**CASE** **WHEN** prev\_af**=**1 **OR** contemp\_af **=**1 **THEN** 1 **ELSE** 0 **END** **AS** disch\_af**,**

**CASE** **WHEN** prev\_stroke **=**1 **OR** contemp\_stroke**=**1 **THEN** 1 **ELSE** 0 **END** **AS** disch\_stroke**,**

**CASE** **WHEN** prev\_is **=**1 **OR** contemp\_is **=**1 **THEN** 1 **ELSE** 0 **END** **AS** disch\_is**,**

**CASE** **WHEN** prev\_HS **=**1 **OR** contemp\_HS **=**1 **THEN** 1 **ELSE** 0 **END** **AS** disch\_HS**,**

**CASE** **WHEN** prev\_vasc **=**1 **OR** contemp\_vasc**=**1 **THEN** 1 **ELSE** 0 **END** **AS** disch\_vasc**,**

**CASE** **WHEN** prev\_thromb **=**1 **OR** contemp\_thromb**=**1 **THEN** 1 **ELSE** 0 **END** **AS** disch\_thromb**,**

**CASE** **WHEN** Prev\_hF **=** 1 **OR** CONTEMP\_HF **=**1 **THEN** 1 **ELSE** 0 **END** **AS** DISCH\_HF **,**

**CASE** **WHEN** prev\_diabetes **=**1 **OR** contemp\_DM **=**1 **THEN** 1 **ELSE** 0 **END** **AS** disch\_DM

**FROM**

**(**

**select** b**.**alf\_pe**,**

**max** **(**prev\_MI**)** **as** prev\_MI**,**

**max** **(**prev\_AF**)** **as** prev\_AF**,**

**max** **(**prev\_stroke**)** **as** prev\_stroke**,**

**max** **(**Prev\_vasc**)** **as** Prev\_vasc**,**

**max** **(**Prev\_heartfailure**)** **as** Prev\_hF**,**

**max** **(**prev\_thromboembolism**)** **as** prev\_thromb**,**

**max** **(**prev\_haemStroke**)** **as** prev\_hs**,**

**max** **(**prev\_ischStroke**)** **as** prev\_is**,**

**max** **(**prev\_diabetes**)** **AS** prev\_diabetes**,**

**max** **(**contemp\_MI**)** **AS** contemp\_MI**,**

**max** **(**contemp\_AF**)** **AS** contemp\_AF**,**

**max** **(**contemp\_stroke**)** **AS** contemp\_stroke**,**

**max** **(**contemp\_vasc**)** **AS** contemp\_vasc**,**

**max** **(**contemp\_thromboembolism**)** **AS** contemp\_thromb**,**

**max** **(**contemp\_haemstroke**)** **AS** contemp\_HS**,**

**max(** contemp\_ischStroke**)** **AS** contemp\_IS**,**

**MAX** **(**CONTEMP\_HEARTFAILURE**)** **AS** CONTEMP\_HF**,**

**max** **(**contemp\_DM**)** **AS** contemp\_dm**,**

**max** **(**contemp\_acs**)** **AS** contemp\_acs

**FROM**

--select \* FROM

**(**

**SELECT** a**.**alf\_pe**,**a**.**prev\_MI**,**a**.**prev\_AF**,** a**.**prev\_stroke**,**a**.**prev\_vasc**,**a**.**prev\_heartfailure**,**a**.**prev\_ischstroke**,**a**.**prev\_haemstroke**,** a**.**prev\_Thromboembolism**,** a**.**prev\_diabetes **FROM** sailw0915v**.**AW\_Prev\_comorb a**)** b

**LEFT** **JOIN**

**(SELECT** **DISTINCT** b**.**alf\_pe**,**

**case** **when** BAFTA **=** 'during' **and** ICD\_TYPE **=** 'MI' **or** DIAG\_CD\_1234 **in** **(**'I220'**,**'I221'**,**'I228'**,**'I229'**)**

**then** '1' **else** '0' **end** **as** contemp\_MI**,**

**case** **when** BAFTA **=** 'during' **and** ICD\_TYPE **=** 'AF' **then** '1' **else** '0' **end** **as** contemp\_AF**,**

**case** **when** BAFTA **=** 'during' **and** ICD\_TYPE **in** **(**'stroke'**,**'haemstroke'**)** **then** '1' **else** '0' **end** **as** contemp\_stroke**,**

**case** **when** BAFTA **=** 'during' **and** ICD\_TYPE **in** **(**'PAD'**,** 'aortic\_paque'**)** **then** '1' **else** '0' **end** **as** contemp\_vasc**,**

**case** **when** BAFTA **=** 'during' **and** ICD\_TYPE **=** 'heartfailure' **then** '1' **else** '0' **end** **as** coNtemp\_heartfailure**,**

**case** **when** BAFTA **=** 'during' **and** ICD\_TYPE **=** 'thrombo\_embolism' **then** '1' **else** '0' **end** **as** contemp\_thromboembolism**,**

**case** **when** BAFTA **=** 'during' **and** ICD\_TYPE **=** 'stroke' **then** '1' **else** '0' **end** **as** contemp\_ischStroke**,**

**case** **when** BAFTA **=** 'during' **and** ICD\_TYPE **=**'haemstroke' **then** '1' **else** '0' **end** **as** contemp\_haemStroke**,**

**case** **when** BAFTA **=** 'during' **and** ICD\_TYPE **=**'DM' **then** '1' **else** '0' **end** **as** contemp\_DM**,**

**CASE** **WHEN** BAFTA **=** 'during' **and** ICD\_TYPE **IN** **(**'MI'**,**'UA'**)** **THEN** '1' **ELSE** '0' **END** **AS** contemp\_acs

**from** sailw0915v**.**aw\_icd\_bafta b

**)**c

**ON** b**.**alf\_pe**=**c**.**alf\_pe

**group** **by** b**.**alf\_pe

**order** **by** b**.**alf\_pe

**)**y

**)** **WITH** **NO** **DATA**

------------------------------------------------------------------

**CREATE** **TABLE** sailw0915v**.**aw\_aspirin **AS** **(**

-- INSERT into sailw0915v.aw\_aspirin

**SELECT** a**.\*** **,**

**CASE** **WHEN** read\_type **=** 'aspirin' **AND** max\_TIME\_SINCE\_DISCH **BETWEEN** 0 **AND** 91 **THEN** 'aspirin' **ELSE** **NULL** **END** **AS** ASP

**FROM** sailw0915v**.**aw\_antithrombotic\_after a

**WHERE** max\_TIME\_SINCE\_DISCH **BETWEEN** 0 **AND** 91

**AND** read\_type**=** 'aspirin'

**)** **WITH** **NO** **DATA**

------------------------------------

**CREATE** **TABLE** sailw0915v**.**aw\_doac **AS** **(**

--insert into sailw0915v.aw\_doac

**WITH** LAST\_doac **AS**

**(**

**SELECT** **DISTINCT** ALF\_PE**,** **max(**TIME\_SINCE\_DISCH**)** max\_time\_since\_disch**,**read\_type

**FROM**

sailw0915v**.**aw\_after

**WHERE** TIME\_SINCE\_DISCH **BETWEEN** 0 **AND** 91 **AND** READ\_TYPE **=** 'doac'

**GROUP** **BY** alf\_pe**,** read\_type

**)**

**SELECT** a**.\*** **FROM** sailw0915v**.**aw\_antithrombotic\_after a

**INNER** **JOIN** last\_doac

**ON** a**.**alf\_pe **=** last\_doac**.**alf\_pe

**AND** a**.**read\_type **=** last\_doac**.**read\_type

**AND** a**.**max\_time\_since\_disch **=** last\_doac**.**max\_time\_since\_disch

**WHERE**

last\_doac**.**read\_type **=** 'doac'

**)** **WITH** **NO** **DATA**

-------------------------------------------------

**create** **TABLE** sailw0915v**.**aw\_vitK **AS** **(**

---INSERT INTO sailw0915v.aw\_vitK

**SELECT** **DISTINCT** ALF\_PE**,** **max(**TIME\_SINCE\_DISCH**)** max\_time\_since\_disch**,** read\_type

--max(TIME\_SINCE\_DISCH) max\_disc

**FROM**

sailw0915v**.**aw\_after

**WHERE** TIME\_SINCE\_DISCH **BETWEEN** 0 **AND** 91 **AND** READ\_TYPE **=**'vitK'

**GROUP** **by** alf\_pe**,** read\_type

**ORDER** **BY** ALF\_PE

**)** **WITH** **NO** **DATA**

-------------------------------------------------

**CREATE** **TABLE** sailw0915v**.**eigtheen\_apt **AS** **(**

--INSERT INTO sailw0915v.eigtheen\_apt

**select** b**.**alf\_pe**,**

**max** **(**total\_time547**)** **as** total\_time547 **,**

**max(**three\_p2**)** **as** three\_p2**,**

**max(**three\_asp**)** **as** three\_asp**,**

**max(**three\_vitK**)** **as** three\_vitK**,**

**max(**three\_doac**)** **as** three\_doac**,**

**max** **(**three\_ac**)** **AS** three\_ac**,**

**max** **(**threemonthAP**)** **as** threemonthAP**,**

**max** **(**six\_p2**)** **AS** six\_p2**,**

**max** **(**six\_asp**)** **AS** six\_as**,**

**max** **(**six\_vitK**)** **AS** six\_vitK**,**

**max(**six\_doac**)** **as** six\_doac**,**

**max** **(**six\_ac**)** **AS** six\_ac**,**

**max** **(**sixmonthAP**)** **as** sixmonthAP**,**

**max** **(**nine\_p2**)** **AS** nine\_p2**,**

**max** **(**nine\_asp**)** **AS** nine\_asp**,**

**max** **(**nine\_vitK**)** **AS** nine\_vitK**,**

**max(**nine\_doac**)** **as** nine\_doac**,**

**max** **(**nine\_ac**)** **AS** nine\_ac**,**

**max** **(**ninemonthAP**)** **as** ninemonthAP**,**

**max** **(**twelve\_p2**)** **AS** twelve\_p2**,**

**max** **(**twelve\_asp**)** **AS** twelve\_as**,**

**max** **(**twelve\_vitK**)** **AS** twelve\_vitK**,**

**max(**twelve\_doac**)** **as** twelve\_doac**,**

**max** **(**twelve\_ac**)** **AS** twelve\_ac**,**

**max** **(**twelvemonthAP**)** **as** twelvemonthAP**,**

**max** **(**fift\_p2**)** **AS** fift\_p2**,**

**max** **(**fift\_asp**)** **AS** fift\_as**,**

**max** **(**fift\_vitK**)** **AS** fift\_vitK**,**

**max(**fift\_doac**)** **as** fift\_doac**,**

**max** **(**fift\_ac**)** **AS** fift\_ac**,**

**max** **(**fiftmonthAP**)** **as** fiftmonthAP**,**

**max** **(**eighteen\_p2**)** **AS** eighteen\_p2**,**

**max** **(**eighteen\_asp**)** **AS** eighteen\_as**,**

**max** **(**eighteen\_vitK**)** **AS** eighteen\_vitK**,**

**max(**eighteen\_doac**)** **as** eighteen\_doac**,**

**max** **(**eighteen\_ac**)** **AS** eighteen\_ac**,**

**max** **(**eighteenmonthAP**)** **as** eighteenmonthAP

**from**

**(select** **distinct** a**.**alf\_pe **from** sailw0915v**.**aw\_Hosp\_master a **)**b

**LEFT** **JOIN**

**(**

**select** b**.**alf\_pe**,**total\_time547**,**

three\_p2**,** three\_asp**,** three\_vitK**,** three\_doac**,** three\_ac**,**

six\_p2 **,**six\_asp**,** six\_vitK**,** six\_doac**,** six\_ac**,**

nine\_p2 **,**nine\_asp**,** nine\_vitK**,** nine\_doac**,** nine\_ac**,**

twelve\_p2 **,**twelve\_asp**,** twelve\_vitK**,** twelve\_doac**,** twelve\_ac**,**

fift\_p2 **,**fift\_asp**,** fift\_vitK**,** fift\_doac**,** fift\_ac**,**

eighteen\_p2 **,**eighteen\_asp**,** eighteen\_vitK**,** eighteen\_doac**,** eighteen\_ac**,**

**case** **when** three\_p2 **=** 'P2' **and** three\_asp **=** 'aspirin' **and** three\_vitK **=** 'vitK' **AND** Three\_doac **=** 'doac' **THEN** 'AC\_D'

**WHEN** three\_p2 **=** 'P2' **and** three\_asp **=** 'aspirin' **and** three\_vitK **=** 'vitK' **AND** Three\_doac **IS** **NULL** **then** 'VITk\_D'

**WHEN** three\_p2 **=** 'P2' **and** three\_asp **=** 'aspirin' **and** three\_vitK **IS** **NULL** **AND** Three\_doac **=** 'doac' **THEN** 'DOAC\_D'

**when** three\_p2 **=** 'P2' **and** three\_asp **is** **null** **and** three\_vitK **=** 'vitK' **AND** Three\_doac **=** 'doac' **THEN** 'AC\_S'

**when** three\_p2 **=** 'P2' **and** three\_asp **is** **null** **and** three\_vitK **=** 'vitK' **AND** Three\_doac **IS** **NULL** **THEN** 'vitK\_s'

**when** three\_p2 **IS** **NULL** **and** three\_asp **=**'aspirin' **and** three\_vitK **=** 'vitK' **AND** Three\_doac **IS** **NULL** **THEN** 'vitK\_s'

**when** three\_p2 **=** 'P2' **and** three\_asp **is** **null** **and** three\_vitK **IS** **NULL** **AND** Three\_doac **=** 'doac' **THEN** 'doac\_s'

**when** three\_p2 **IS** **NULL** **and** three\_asp **=**'aspirin' **and** three\_vitK **IS** **NULL** **AND** Three\_doac **=** 'doac' **THEN** 'doac\_s'

**when** three\_p2 **=** 'P2' **and** three\_asp **=** 'aspirin' **and** three\_AC **is** **null** **then** 'dapt'

**when** three\_p2 **=** 'P2' **and** three\_asp **is** **null** **and** three\_AC **is** **null** **then** 'SAPT'

**when** three\_p2 **IS** **NULL** **and** three\_asp **=** 'aspirin' **and** three\_AC **is** **null** **THEN** 'SAPT'

**when** three\_p2 **IS** **NULL** **and** three\_asp **IS** **null** **and** three\_vitK **=** 'vitK' **AND** Three\_doac **=** 'doac' **THEN** 'AC'

**when** three\_p2 **IS** **NULL** **and** three\_asp **IS** **null** **and** three\_vitK **=** 'vitK' **AND** Three\_doac **IS** **NULL** **THEN** 'vitK'

**when** three\_p2 **IS** **NULL** **and** three\_asp **IS** **null** **and** three\_vitK **is** **NULL** **AND** Three\_doac **=** 'doac' **THEN** 'doac'

--when total\_time547 between 0 and 90 then 'na'

**else** '0' **end** **as** threemonthAP**,**

**case** **when** six\_p2 **=** 'P2' **and** six\_asp **=** 'aspirin' **and** six\_vitK **=** 'vitK' **AND** six\_doac **=** 'doac' **THEN** 'AC\_D'

**WHEN** six\_p2 **=** 'P2' **and** six\_asp **=** 'aspirin' **and** six\_vitK **=** 'vitK' **AND** six\_doac **IS** **NULL** **then** 'VITk\_D'

**WHEN** six\_p2 **=** 'P2' **and** six\_asp **=** 'aspirin' **and** six\_vitK **IS** **NULL** **AND** six\_doac **=** 'doac' **THEN** 'DOAC\_D'

**when** six\_p2 **=** 'P2' **and** six\_asp **is** **null** **and** six\_vitK **=** 'vitK' **AND** six\_doac **=** 'doac' **THEN** 'AC\_S'

**when** six\_p2 **=** 'P2' **and** six\_asp **is** **null** **and** six\_vitK **=** 'vitK' **AND** six\_doac **IS** **NULL** **THEN** 'vitK\_s'

**when** six\_p2 **IS** **NULL** **and** six\_asp **=**'aspirin' **and** six\_vitK **=** 'vitK' **AND** six\_doac **IS** **NULL** **THEN** 'vitK\_s'

**when** six\_p2 **=** 'P2' **and** six\_asp **is** **null** **and** six\_vitK **IS** **NULL** **AND** six\_doac **=** 'doac' **THEN** 'doac\_s'

**when** six\_p2 **IS** **NULL** **and** six\_asp **=**'aspirin' **and** six\_vitK **IS** **NULL** **AND** six\_doac **=** 'doac' **THEN** 'doac\_s'

**when** six\_p2 **=** 'P2' **and** six\_asp **=** 'aspirin' **and** six\_AC **is** **null** **then** 'dapt'

**when** six\_p2 **=** 'P2' **and** six\_asp **is** **null** **and** six\_AC **is** **null** **then** 'SAPT'

**when** six\_p2 **IS** **NULL** **and** six\_asp **=** 'aspirin' **and** six\_AC **is** **null** **THEN** 'SAPT'

**when** six\_p2 **IS** **NULL** **and** six\_asp **IS** **null** **and** six\_vitK **=** 'vitK' **AND** six\_doac **=** 'doac' **THEN** 'AC'

**when** six\_p2 **IS** **NULL** **and** six\_asp **IS** **null** **and** six\_vitK **=** 'vitK' **AND** six\_doac **IS** **NULL** **THEN** 'vitK'

**when** six\_p2 **IS** **NULL** **and** six\_asp **IS** **null** **and** six\_vitK **is** **NULL** **AND** six\_doac **=** 'doac' **THEN** 'doac'

--WHEN total\_time547 between 0 and 181 then 'na'

**else** '0' **end** **as** sixmonthAP**,**

----------------------------------

**case** **when** nine\_p2 **=** 'P2' **and** nine\_asp **=** 'aspirin' **and** nine\_vitK **=** 'vitK' **AND** nine\_doac **=** 'doac' **THEN** 'AC\_D'

**WHEN** nine\_p2 **=** 'P2' **and** nine\_asp **=** 'aspirin' **and** nine\_vitK **=** 'vitK' **AND** nine\_doac **IS** **NULL** **then** 'VITk\_D'

**WHEN** nine\_p2 **=** 'P2' **and** nine\_asp **=** 'aspirin' **and** nine\_vitK **IS** **NULL** **AND** nine\_doac **=** 'doac' **THEN** 'DOAC\_D'

**when** nine\_p2 **=** 'P2' **and** nine\_asp **is** **null** **and** nine\_vitK **=** 'vitK' **AND** nine\_doac **=** 'doac' **THEN** 'AC\_S'

**when** nine\_p2 **=** 'P2' **and** nine\_asp **is** **null** **and** nine\_vitK **=** 'vitK' **AND** nine\_doac **IS** **NULL** **THEN** 'vitK\_s'

**when** nine\_p2 **IS** **NULL** **and** nine\_asp **=**'aspirin' **and** nine\_vitK **=** 'vitK' **AND** nine\_doac **IS** **NULL** **THEN** 'vitK\_s'

**when** nine\_p2 **=** 'P2' **and** nine\_asp **is** **null** **and** nine\_vitK **IS** **NULL** **AND** nine\_doac **=** 'doac' **THEN** 'doac\_s'

**when** nine\_p2 **IS** **NULL** **and** nine\_asp **=**'aspirin' **and** nine\_vitK **IS** **NULL** **AND** nine\_doac **=** 'doac' **THEN** 'doac\_s'

**when** nine\_p2 **=** 'P2' **and** nine\_asp **=** 'aspirin' **and** nine\_AC **is** **null** **then** 'dapt'

**when** nine\_p2 **=** 'P2' **and** nine\_asp **is** **null** **and** nine\_AC **is** **null** **then** 'SAPT'

**when** nine\_p2 **IS** **NULL** **and** nine\_asp **=** 'aspirin' **and** nine\_AC **is** **null** **THEN** 'SAPT'

**when** nine\_p2 **IS** **NULL** **and** nine\_asp **IS** **null** **and** nine\_vitK **=** 'vitK' **AND** nine\_doac **=** 'doac' **THEN** 'AC'

**when** nine\_p2 **IS** **NULL** **and** nine\_asp **IS** **null** **and** nine\_vitK **=** 'vitK' **AND** nine\_doac **IS** **NULL** **THEN** 'vitK'

**when** nine\_p2 **IS** **NULL** **and** nine\_asp **IS** **null** **and** nine\_vitK **is** **NULL** **AND** nine\_doac **=** 'doac' **THEN** 'doac'

--WHEN total\_time547 between 0 and 273 then 'na'

**else** '0' **end** **as** ninemonthAP**,**

------------------------------------------------------------------

**case** **when** twelve\_p2 **=** 'P2' **and** twelve\_asp **=** 'aspirin' **and** twelve\_vitK **=** 'vitK' **AND** twelve\_doac **=** 'doac' **THEN** 'AC\_D'

**WHEN** twelve\_p2 **=** 'P2' **and** twelve\_asp **=** 'aspirin' **and** twelve\_vitK **=** 'vitK' **AND** twelve\_doac **IS** **NULL** **then** 'VITk\_D'

**WHEN** twelve\_p2 **=** 'P2' **and** twelve\_asp **=** 'aspirin' **and** twelve\_vitK **IS** **NULL** **AND** twelve\_doac **=** 'doac' **THEN** 'DOAC\_D'

**when** twelve\_p2 **=** 'P2' **and** twelve\_asp **is** **null** **and** twelve\_vitK **=** 'vitK' **AND** twelve\_doac **=** 'doac' **THEN** 'AC\_S'

**when** twelve\_p2 **=** 'P2' **and** twelve\_asp **is** **null** **and** twelve\_vitK **=** 'vitK' **AND** twelve\_doac **IS** **NULL** **THEN** 'vitK\_s'

**when** twelve\_p2 **IS** **NULL** **and** twelve\_asp **=**'aspirin' **and** twelve\_vitK **=** 'vitK' **AND** twelve\_doac **IS** **NULL** **THEN** 'vitK\_s'

**when** twelve\_p2 **=** 'P2' **and** twelve\_asp **is** **null** **and** twelve\_vitK **IS** **NULL** **AND** twelve\_doac **=** 'doac' **THEN** 'doac\_s'

**when** twelve\_p2 **IS** **NULL** **and** twelve\_asp **=**'aspirin' **and** twelve\_vitK **IS** **NULL** **AND** twelve\_doac **=** 'doac' **THEN** 'doac\_s'

**when** twelve\_p2 **=** 'P2' **and** twelve\_asp **=** 'aspirin' **and** twelve\_AC **is** **null** **then** 'dapt'

**when** twelve\_p2 **=** 'P2' **and** twelve\_asp **is** **null** **and** twelve\_AC **is** **null** **then** 'SAPT'

**when** twelve\_p2 **IS** **NULL** **and** twelve\_asp **=** 'aspirin' **and** twelve\_AC **is** **null** **THEN** 'SAPT'

**when** twelve\_p2 **IS** **NULL** **and** twelve\_asp **IS** **null** **and** twelve\_vitK **=** 'vitK' **AND** twelve\_doac **=** 'doac' **THEN** 'AC'

**when** twelve\_p2 **IS** **NULL** **and** twelve\_asp **IS** **null** **and** twelve\_vitK **=** 'vitK' **AND** twelve\_doac **IS** **NULL** **THEN** 'vitK'

**when** twelve\_p2 **IS** **NULL** **and** twelve\_asp **IS** **null** **and** twelve\_vitK **is** **NULL** **AND** twelve\_doac **=** 'doac' **THEN** 'doac'

--WHEN total\_time547 between 0 and 364 then 'na'

**else** '0' **end** **as** twelvemonthAP**,**

**case** **when** fift\_p2 **=** 'P2' **and** fift\_asp **=** 'aspirin' **and** fift\_vitK **=** 'vitK' **AND** fift\_doac **=** 'doac' **THEN** 'AC\_D'

**WHEN** fift\_p2 **=** 'P2' **and** fift\_asp **=** 'aspirin' **and** fift\_vitK **=** 'vitK' **AND** fift\_doac **IS** **NULL** **then** 'VITk\_D'

**WHEN** fift\_p2 **=** 'P2' **and** fift\_asp **=** 'aspirin' **and** fift\_vitK **IS** **NULL** **AND** fift\_doac **=** 'doac' **THEN** 'DOAC\_D'

**when** fift\_p2 **=** 'P2' **and** fift\_asp **is** **null** **and** fift\_vitK **=** 'vitK' **AND** fift\_doac **=** 'doac' **THEN** 'AC\_S'

**when** fift\_p2 **=** 'P2' **and** fift\_asp **is** **null** **and** fift\_vitK **=** 'vitK' **AND** fift\_doac **IS** **NULL** **THEN** 'vitK\_s'

**when** fift\_p2 **IS** **NULL** **and** fift\_asp **=**'aspirin' **and** fift\_vitK **=** 'vitK' **AND** fift\_doac **IS** **NULL** **THEN** 'vitK\_s'

**when** fift\_p2 **=** 'P2' **and** fift\_asp **is** **null** **and** fift\_vitK **IS** **NULL** **AND** fift\_doac **=** 'doac' **THEN** 'doac\_s'

**when** fift\_p2 **IS** **NULL** **and** fift\_asp **=**'aspirin' **and** fift\_vitK **IS** **NULL** **AND** fift\_doac **=** 'doac' **THEN** 'doac\_s'

**when** fift\_p2 **=** 'P2' **and** fift\_asp **=** 'aspirin' **and** fift\_AC **is** **null** **then** 'dapt'

**when** fift\_p2 **=** 'P2' **and** fift\_asp **is** **null** **and** fift\_AC **is** **null** **then** 'SAPT'

**when** fift\_p2 **IS** **NULL** **and** fift\_asp **=** 'aspirin' **and** fift\_AC **is** **null** **THEN** 'SAPT'

**when** fift\_p2 **IS** **NULL** **and** fift\_asp **IS** **null** **and** fift\_vitK **=** 'vitK' **AND** fift\_doac **=** 'doac' **THEN** 'AC'

**when** fift\_p2 **IS** **NULL** **and** fift\_asp **IS** **null** **and** fift\_vitK **=** 'vitK' **AND** fift\_doac **IS** **NULL** **THEN** 'vitK'

**when** fift\_p2 **IS** **NULL** **and** fift\_asp **IS** **null** **and** fift\_vitK **is** **NULL** **AND** fift\_doac **=** 'doac' **THEN** 'doac'

--WHEN total\_time547 between 0 and 456 then 'na'

**else** '0' **end** **as** fiftmonthAP**,**

**case** **when** eighteen\_p2 **=** 'P2' **and** eighteen\_asp **=** 'aspirin' **and** eighteen\_vitK **=** 'vitK' **AND** eighteen\_doac **=** 'doac' **THEN** 'AC\_D'

**WHEN** eighteen\_p2 **=** 'P2' **and** eighteen\_asp **=** 'aspirin' **and** eighteen\_vitK **=** 'vitK' **AND** eighteen\_doac **IS** **NULL** **then** 'VITk\_D'

**WHEN** eighteen\_p2 **=** 'P2' **and** eighteen\_asp **=** 'aspirin' **and** eighteen\_vitK **IS** **NULL** **AND** eighteen\_doac **=** 'doac' **THEN** 'DOAC\_D'

**when** eighteen\_p2 **=** 'P2' **and** eighteen\_asp **is** **null** **and** eighteen\_vitK **=** 'vitK' **AND** eighteen\_doac **=** 'doac' **THEN** 'AC\_S'

**when** eighteen\_p2 **=** 'P2' **and** eighteen\_asp **is** **null** **and** eighteen\_vitK **=** 'vitK' **AND** eighteen\_doac **IS** **NULL** **THEN** 'vitK\_s'

**when** eighteen\_p2 **IS** **NULL** **and** eighteen\_asp **=**'aspirin' **and** eighteen\_vitK **=** 'vitK' **AND** eighteen\_doac **IS** **NULL** **THEN** 'vitK\_s'

**when** eighteen\_p2 **=** 'P2' **and** eighteen\_asp **is** **null** **and** eighteen\_vitK **IS** **NULL** **AND** eighteen\_doac **=** 'doac' **THEN** 'doac\_s'

**when** eighteen\_p2 **IS** **NULL** **and** eighteen\_asp **=**'aspirin' **and** eighteen\_vitK **IS** **NULL** **AND** eighteen\_doac **=** 'doac' **THEN** 'doac\_s'

**when** eighteen\_p2 **=** 'P2' **and** eighteen\_asp **=** 'aspirin' **and** eighteen\_AC **is** **null** **then** 'dapt'

**when** eighteen\_p2 **=** 'P2' **and** eighteen\_asp **is** **null** **and** eighteen\_AC **is** **null** **then** 'SAPT'

**when** eighteen\_p2 **IS** **NULL** **and** eighteen\_asp **=** 'aspirin' **and** eighteen\_AC **is** **null** **THEN** 'SAPT'

**when** eighteen\_p2 **IS** **NULL** **and** eighteen\_asp **IS** **null** **and** eighteen\_vitK **=** 'vitK' **AND** eighteen\_doac **=** 'doac' **THEN** 'AC'

**when** eighteen\_p2 **IS** **NULL** **and** eighteen\_asp **IS** **null** **and** eighteen\_vitK **=** 'vitK' **AND** eighteen\_doac **IS** **NULL** **THEN** 'vitK'

**when** eighteen\_p2 **IS** **NULL** **and** eighteen\_asp **IS** **null** **and** eighteen\_vitK **is** **NULL** **AND** eighteen\_doac **=** 'doac' **THEN** 'doac'

--WHEN total\_time547 between 0 and 546 then 'na'

**else** '0' **end** **as** eighteenmonthAP

**from** sailw0915v**.**aw\_triple b

**)**T

**ON** b**.**alf\_pe**=** t**.**alf\_pe

--WHERE total\_time547 >0

**group** **by** b**.**alf\_pe

**order** **by** b**.**alf\_pe

**)** **WITH** **NO** **DATA**

-------------------------------------

**CREATE** **TABLE** sailw0915v**.**aw\_event365 **AS** **(**

--insert into sailw0915v.aw\_event365

**select** B**.**alf\_pe**,**

**max** **(**total\_time365**)** **AS** total\_time365**,**

**max** **(**MI365**)** **as** MI365**,**

**max(**time\_to\_MI365**)** **AS** time\_to\_MI365**,**

**max** **(**stroke365**)** **as** stroke365**,**

**max(**time\_to\_stroke365**)** **AS** time\_to\_stroke365**,**

**max** **(**revascularisation365**)** **as** revascularisation365**,**

**max** **(**time\_to\_revasc365**)** **AS** time\_to\_revasc365**,**

**max** **(**bleed365**)** **as** bleed365**,**

**max** **(**time\_to\_bleed365**)** **AS** time\_to\_bleed365**,**

**MAX** **(**DEATH365**)** **AS** DEATH365**,**

**max(**time\_to\_death365**)** **AS** time\_to\_death365

**FROM**

**(**

**select** a**.**alf\_pe**,** a**.**total\_time365**,**

**case** **when** ICD\_TYPE **in** **(** 'MI'**,** 'UA'**)** **and** time\_since\_disch **between** 1 **and** 365 **then** '1' **else** '0' **end** **as** MI365**,**

**CASE** **WHEN** ICD\_TYPE **in** **(** 'MI'**,** 'UA'**)** **and** time\_since\_disch **between** 1 **and** 365 **THEN** time\_since\_disch **ELSE** **NULL** **END** **AS** time\_to\_mi365**,**

**case** **when** ICD\_TYPE **=** 'stroke' **and** time\_since\_disch **between** 1 **and** 365 **then** '1' **else** '0' **end** **as** stroke365**,**

**case** **when** ICD\_TYPE **=** 'stroke' **and** time\_since\_disch **between** 1 **and** 365 **then** time\_since\_disch **ELSE** **NULL** **END** **AS** time\_to\_stroke365**,**

**case** **when** ICD\_TYPE **in** **(**'bleeding'**,**'haemstroke'**,**'other\_haemorrhage'**)** **and** time\_since\_disch **between** 1 **and** 365 **then** '1' **else** '0' **end** **as** bleed365**,**

**case** **when** ICD\_TYPE **in** **(**'bleeding'**,**'haemstroke'**,**'other\_haemorrhage'**)** **and** time\_since\_disch **between** 1 **and** 365 **then** time\_since\_disch **ELSE** **NULL** **END** **AS** time\_to\_bleed365**,**

**CASE** **WHEN** DEATH\_TIME **<=** 365 **THEN** 1 **ELSE** 0 **END** **AS** death365 **,**

**CASE** **WHEN** DEATH\_TIME **<=** 365 **THEN** death\_time **ELSE** **NULL** **END** **AS** time\_to\_death365

**FROM** SAILW0915V**.**SURV365COHORT a

**)**B

**left** **join**

**(** **select** a**.**alf\_pe**,**

**case** **when** OPCS\_TYPE **in** **(** 'CABG' **,**'Balloon'**,**'DES\_BMS'**,**'FFR'**,**'angio\_atherectomy'**,**'angio\_injection'**,**'angio'**,**'Balloon\_STENT'**)**

**and** time\_since\_disch **between** 30 **and** 365 **then** '1' **else** '0' **end** **as** revascularisation365**,**

**CASE** **WHEN** OPCS\_TYPE **in** **(** 'CABG' **,**'Balloon'**,**'DES\_BMS'**,**'FFR'**,**'angio\_atherectomy'**,**'angio\_injection'**,**'angio'**,**'Balloon\_STENT'**)**

**and** time\_since\_disch **between** 30 **and** 365 **THEN** time\_since\_disch **ELSE** **NULL** **END** **AS** time\_to\_revasc365

**from** sailw0915v**.**aw\_opcs\_closest a**)** o

**on** B**.**alf\_pe**=** o**.**alf\_pe

**group** **by** b**.**alf\_pe

**order** **by** b**.**alf\_pe

**)** **WITH** **NO** **DATA**

--------------------------------------------

**create** **table** sailw0915v**.**aw\_1 **AS** **(**

--insert into sailw0915v.AW\_1

**select** b**.**alf\_pe**,**

**max(**age**)** **as** age**,**

**max** **(**age\_chads**)** **AS** age\_chads**,**

**max** **(**decile**)** **AS** DECILE**,**

**max(**bleeding\_before**)** **as** bleeding\_before**,**

**max** **(**y**)** **as** y**,**

--MAX (cH\_VASC) AS cH\_VASC,

**max** **(**gender**)** **as** gender**,**

**max(**HTN**)** **as** htn**,**

**max** **(**IHD**)** **as** IHD**,**

**max(**diabetes**)** **as** diabetes**,**

**max(**renal**)** **as** renal**,**

**max(**liver**)** **as** liver**,**

**max(**dyslipidaemia**)** **as** dyslipidaemia**,**

**max(**dementia**)** **as** dementia**,**

**max(**copd**)** **as** copd**,**

**max(**asthma**)** **as** asthma**,**

**max(**respiratory**)** **AS** respiratory**,**

**max(**aspirin**)** **as** aspirin**,**

**max(**P2Y12**)** **as** P2Y12**,**

**max(**antiplatelet**)** **as** antiplatelet**,**

**max** **(**vit\_K**)** **AS** vit\_K**,**

**max** **(**doac**)** **AS** doac**,**

**max** **(**parentanticoag**)** **AS** parentanticoag**,**

**max(**anticoag**)** **AS** anticoag**,**

**max(**high\_statin**)** **as** high\_statin**,**

**max(**low\_statin**)** **AS** low\_statin**,**

**max(**statin**)** **as** statin**,**

**max** **(**ezetimibe**)** **AS** ezetimibe**,**

**max** **(**fibrate**)** **AS** fibrate**,**

**max** **(**otherlipid**)** **AS** otherlipid**,**

**max** **(**A2**)** **AS** A2**,**

**max** **(**aldo**)** **AS** aldo**,**

**max** **(**diuretic**)** **AS** diuretic**,**

**max** **(**beta**)** **AS** beta**,**

**max** **(**ppi**)** **AS** ppi**,**

**max** **(**insulin**)** **AS** insulin**,**

**max(**HDL**)** **as** HDL**,**

**max(**LDL**)** **as** LDL**,**

**max(**Triglyceride**)** **as** Triglyceride**,**

**max(**Total\_cholesterol**)** **as** Total\_cholesterol**,**

**max(**sys\_BP**)** **as** sys\_BP**,**

**case** **when** **max(**dia\_BP**)** **=** **max(**sys\_BP**)** **THEN** **NULL** **else** **max(**dia\_BP**)** **end** **as** dia\_BP**,**

**max(**chk**),**

**max** **(**BPlast365**)** **as** BPlast365**,**

**max(**chollast365**)** **as** chollast365**,**

**max** **(**quintile**)** **as** quintile**,**

**max** **(**weight**)** **as** weight**,**

**max** **(**smoking\_status**)** **as** smoking\_status**,**

**max** **(**prev\_revascularisation**)** **as** prev\_revascularisation**,**

**max** **(**cabg\_during**)** **AS** cabg\_during

**FROM**

--select \* from

**(**

**select** **distinct** d**.**alf\_pe**,**

**case** **when** BAFTA**=** 'during' **then** AGE\_EPI\_STR\_YR **else** **null** **end** **as** age**,**

**case** **when** BAFTA**=** 'during' **and** AGE\_EPI\_STR\_YR **<=**49 **then** '49'

**when** BAFTA**=** 'during' **and** AGE\_EPI\_STR\_YR **between** 50 **and** 59 **then** '48'

**when** BAFTA**=** 'during' **and** AGE\_EPI\_STR\_YR **between** 60 **and** 69 **then** '60'

**when** BAFTA **=** 'during' **and** AGE\_EPI\_STR\_YR **between** 70 **and** 79 **then** '70'

**when** BAFTA**=** 'during' **and** AGE\_EPI\_STR\_YR **>=**80 **then** '80' **end** **as** decile**,**

**CASE** **WHEN** BAFTA**=** 'during' **and** AGE\_EPI\_STR\_YR **<** 65 **THEN** '0'

**WHEN** BAFTA**=** 'during' **and** AGE\_EPI\_STR\_YR **BETWEEN** 65 **AND** 74 **THEN** '1'

**WHEN** BAFTA**=** 'during' **and** AGE\_EPI\_STR\_YR **>=** 75 **THEN** '2' **ELSE** **NULL** **END** **AS** age\_chads **,**

**case** **when** ICD\_TYPE **in** **(**'bleeding'**,**'haemstroke'**)** **and** BAFTA **=** 'before' **then** '1' **else** '0' **end** **as** bleeding\_before**,**

**case** **when** BAFTA **=** 'during' **then** **year** **(**first\_admis**)** **else** **null** **end** **as** y

-- CASE WHEN BAFTA = 'during' THEN '1' ELSE '0' END AS cH\_VASC

**from** sailw0915v**.**aw\_icd\_bafta d**)** b

-----------------------------------------------------

**left** **JOIN**

**(select** **distinct** a**.**alf\_pe**,**

**case** **when** a**.**gndr\_cd **=** '1' **then** 'M'

**when** a**.**gndr\_cd **=** '2' **then** 'F'

**when** a**.**gndr\_cd **not** **in** **(**'1'**,**'2'**)** **then** '0' **else** '999' **end** **as** gender**,**

**case** **when** a**.**read\_type **=** 'hypertension' **then** '1' **else** '0' **end** **as** HTN**,**

**case** **when** a**.**read\_type **=** 'IHD' **and** time\_before **>** 10 **then** '1' **else** '0' **end** **as** IHD**,**

**case** **when** a**.**read\_type **=** 'diabetes' **then** '1' **else** '0' **end** **as** diabetes**,**

**case** **when** a**.**read\_type **=** 'CRF' **then** '1' **else** '0' **end** **as** renal**,**

**case** **when** a**.**read\_type **=** 'liver\_disease' **then** '1' **else** '0' **end** **as** liver**,**

**case** **when** a**.**read\_type **=** 'dyslipid' **then** '1' **else** '0' **end** **as** dyslipidaemia**,**

--case when a.read\_type = 'AF' then '1' else '0' end as AF,

--case when a.read\_type ='stroke' then '1' else '0' end as Prev\_stroke,

--case when a.read\_type ='haem\_stroke' then '1' else '0' end as haemorrhagic\_stroke,

--case when a.event\_cd in ('G73z0','G73z','G73..','G73zz','G733.','G73y0') then '1' else '0'

--end as vascular,

**case** **when** a**.**read\_type**=** 'dementia' **then** '1' **else** '0' **end** **as** dementia**,**

**case** **when** a**.**read\_type**=** 'heart\_failure' **then** '1' **else** '0' **end** **as** heartfailure**,**

**case** **when** a**.**read\_type **=**'copd' **then** '1' **else** '0' **end** **as** copd**,**

**case** **when** a**.**read\_type **=**'asthma' **then** '1' **else** '0' **end** **as** asthma**,**

**case** **when** a**.**read\_type **=**'copd' **or** a**.**read\_type **=**'asthma' **then** '1' **else** '0' **end** **as** respiratory**,**

**case** **when** a**.**read\_type **=** 'aspirin' **and** time\_before **<=** 90 **THEN** '1' **ELSE** '0' **END** **AS** aspirin **,**

**case** **when** a**.**read\_type **=** 'P2Y12' **and** time\_before **<=** 90 **then** '1' **else** '0' **end** **as** P2Y12**,**

**case** **when** **(**a**.**read\_type **=** 'aspirin' **OR** a**.**read\_type **=** 'P2Y12'**)** **and** time\_before **<=** 90 **then** '1' **else** '0' **end** **as** antiplatelet**,**

**CASE** **WHEN** a**.**read\_type **=** 'vitK' **AND** time\_before **<=** 90 **then** '1' **else** '0' **END** **AS** vit\_K **,**

**CASE** **WHEN** a**.**read\_type **=** 'doac' **AND** time\_before **<=** 90 **then** '1' **else** '0' **END** **AS** doac**,**

**CASE** **WHEN** a**.**read\_type **=** 'parenteralAnticoag' **AND** time\_before **<=** 90 **then** '1' **else** '0' **END** **AS** parentanticoag**,**

**case** **when** **(**a**.**read\_type **=** 'vitK' **or** a**.**read\_type **=** 'doac'**)** **and** time\_before **<=** 90 **then** '1' **else** '0' **end** **as** anticoag**,**

**case** **when** a**.**read\_type **=** 'low\_statin' **and** time\_before **<=** 90 **then** '1' **else** '0' **end** **as** low\_statin **,**

**case** **when** a**.**read\_type **=** 'high\_statin' **and** time\_before **<=** 90 **then** '1' **else** '0' **end** **as** high\_statin**,**

**case** **when** **(**a**.**read\_type **=** 'high\_statin' **OR** a**.**read\_type **=** 'low\_statin'**)** **and** time\_before **<=** 90 **then** '1' **else** '0' **end** **as** statin**,**

**case** **when** a**.**read\_type **=** 'ezetimibe' **and** time\_before **<=** 90 **then** '1' **else** '0' **end** **as** ezetimibe**,**

**case** **when** a**.**read\_type **=** 'fibrate' **and** time\_before **<=** 90 **then** '1' **else** '0' **end** **as** fibrate **,**

**case** **when** a**.**read\_type **=** 'otherlipid' **and** time\_before **<=** 90 **then** '1' **else** '0' **end** **as** otherlipid **,**

**case** **when** **(**a**.**read\_type **=**'ACEi' **OR** a**.**read\_type **=** 'ARB'**)** **and** time\_before **<=** 90 **then** '1' **else** '0' **end** **as** A2 **,**

**case** **when** a**.**read\_type **=** 'aldo' **and** time\_before **<=** 90 **then** '1' **else** '0' **end** **as** Aldo**,**

**case** **when** **(**a**.**read\_type **=** 'loop' **OR** a**.**read\_type **=** 'potsparing'**)** **and** time\_before **<=** 90 **then** '1' **else** '0' **end** **as** diuretic**,**

**case** **when** a**.**read\_type **=** 'beta' **and** time\_before **<=** 90 **then** '1' **else** '0' **end** **as** beta**,**

**case** **when** a**.**read\_type **=** 'ppi' **and** time\_before **<=** 90 **then** '1' **else** '0' **end** **as** ppi**,**

**case** **when** a**.**read\_type **=** 'insulin' **and** time\_before **<=** 90 **then** '1' **else** '0' **end** **as** insulin

**from** sailw0915v**.**aw\_before a

**)** t

**on** b**.**alf\_pe**=**t**.**alf\_pe

------------------------------------------------------------------------------------------------

**left** **JOIN**

**(select** **distinct** bop**.**alf\_pe**,**HDL**,**LDL**,**Total\_cholesterol**,**triglyceride**,**sys\_raw**,**Dia\_raw**,**chk**,**sys\_bp**,**dia\_bp**,**

**case** **when** chk **is** **null** **then** '0' **else** '1' **end** **as** BPlast365**,**

**case** **when** HDl **is** **not** **null** **then** '1'

**when** LDL **is** **not** **null** **then** '1'

**when** Total\_cholesterol **is** **not** **null** **then** '1'

**when** triglyceride **is** **not** **null** **then** '1' **else** '0'

**end** **as** chollast365

**from**

**(**

**select** **distinct** clo**.\*,** **case** **when** **left(**sys\_raw**,**1**)** **>** 2 **then** **left(**sys\_raw**,**2**)** **else** sys\_raw **end** **as** sys\_BP**,**

**case** **when** **left(**dia\_raw**,**1**)** **=** '0' **then** **right(**dia\_raw**,**2**)** **else** dia\_raw **end** **as** dia\_BP **from**

**(select** clo**.\*,**

**case** **when** event\_cd **=** '44P5.' **then** event\_val **else** **null** **end** **as** HDL**,**

**case** **when** event\_cd **=** '44P6.' **then** event\_val **else** **null** **end** **as** LDL**,**

**case** **when** event\_cd **=** '44P..' **then** event\_val **else** **null** **end** **as** Total\_cholesterol**,**

**case** **when** event\_cd **=** '44Q..' **then** event\_val **else** **null** **end** **as** Triglyceride**,**

**case** **when** event\_cd **=** '246..' **then** **replace(left(**event\_val**,** 3**),**'.'**,**''**)** **else** **null** **end** **as** sys\_raw**,**

**case** **when** event\_cd **=** '246..' **then** **right(left(**event\_val**,** locate**(**'.'**,**event\_val**)** **-** 1**),**3**)** **else** **null** **end** **as** dia\_raw**,**

**case** **when** event\_cd **=** '246..' **then** event\_val **else** **null** **end** **as** chk

**from** sailw0915v**.**aw\_closest\_before clo

**where** time\_before **<**365

**and** event\_cd **in** **(**'44P6.'**,**'44P..'**,**'44Q..'**,**'44P5.'**,**'2469.'**,**'246..'**))**clo

**)**bop

**)** cl

**on** cl**.**alf\_pe **=** b**.**alf\_pe

**left** **join**

------------------------------------------------deprivation index-----------------------------

**(select** **distinct** a**.**alf\_pe**,**a**.**WIMD\_2011\_QUINTILE **AS** quintile **from** sail0915v**.**WDSD\_CLEAN\_ADD\_GEOG\_CHAR\_LSOA2001\_20190408 a

**inner** **join** sailw0915v**.**aw\_Hosp\_master c

**on** a**.**alf\_pe **=** c**.**alf\_pe

**and** c**.**first\_admis **between** a**.**start\_date **and** a**.**end\_date **)** dep

**on** b**.**alf\_pe **=** dep**.**alf\_pe

------------------------weight--------------------------------------------------------------------

**left** **join**

**(select** a**.\*,**

**case** **when** a**.**event\_cd **=** '22K..' **and** a**.**event\_val **<**20 **then** 'uw' -------underweight

**when** a**.**event\_cd **=** '22K3.' **then** 'low'

**when** a**.**event\_cd **=** '22K..' **and** a**.**event\_val **between** 20 **and** 24.99 **then** 'n' --normal

**when** a**.**event\_cd **=** '22K1.' **or** a**.**event\_cd **=** '22K8.' **then** 'norm' -----normal

**when** a**.**event\_cd **=** '22K..' **and** a**.**event\_val **between** 25 **and** 29.99 **then** 'ow' ---------overweight

**when** a**.**event\_cd **=** '22K4.' **then** 'ow' ----------overwight

**when** a**.**event\_cd **=** '22K..' **and** a**.**event\_val **>=** 30 **then** 'ob' ----------obese

**when** a**.**event\_cd **in** **(**'22K5.'**,**'22K7.'**,**'22KC.'**,**'22KD.'**,**'22KE.'**)** **then** 'ob' **else** 'un' **end** **as** weight

**from**

**(**

**select** **distinct** a**.**alf\_pe**,** a**.**event\_cd**,** a**.**event\_dt**,** a**.**event\_val **from**

**(select** **distinct** alf\_pe**,** event\_cd**,** event\_dt**,** event\_val **from** sailw0915v**.**aw\_closest\_before clo

**where** event\_cd **like** '22K%'

**)**a

**inner** **join**

**(select** alf\_pe**,** **max(**event\_dt**)** **as** min\_close **from** sailw0915v**.**aw\_closest\_before clo

**where** event\_cd **like** '22K%'

**group** **by** alf\_pe**)** m

**on** a**.**alf\_pe **=** m**.**alf\_pe

**and** a**.**event\_dt **=** m**.**min\_close

**left** **join**

**(select** **distinct** alf\_pe**,** event\_val**,** event\_cd**,** event\_dt **from** sailw0915v**.**aw\_closest\_before clo

**where** event\_cd **=** '22K..' **and** **(**event\_val **=** 0 **or** event\_val **is** **null)**

**)** n

**on** a**.**alf\_pe **=** n**.**alf\_pe

**and** a**.**event\_cd **=** n**.**event\_cd

**and** a**.**event\_val **=** n**.**event\_val

**and** a**.**event\_dt **=** n**.**event\_dt

**where** n**.**alf\_pe **is** **null**

**)** a

**)**w

**on** b**.**alf\_pe **=**w**.**alf\_pe

-----------------------------------------------

------------------------ smoking----------------------------------------

**left** **join**

**(**

**select** c**.**alf\_pe**,**c**.**smoking\_status\_proposed**,**c**.**smoking\_status\_desc**,** **case** **when** smoking\_status\_desc **=** '0\_no\_information' **then** 'unk'

**when** smoking\_status\_desc **=**'1\_UNKNOWN\_STATUS' **then** 'unk'

**when** smoking\_status\_desc **=**'2\_NEVER\_SMOKER' **then** 'ns'

**when** smoking\_status\_desc **=**'3\_EX\_SMOKER' **then** 'ex'

**when** smoking\_status\_desc **=**'4\_RELAPSING\_SMOKER' **then** 'sm'

**when** smoking\_status\_desc **=**'5\_LIKELY\_SMOKER' **then** 'ns'

**when** smoking\_status\_desc **=**'6\_SMOKER' **then** 'sm'

**else** 'unk' **end** **as** smoking\_status

**from**

**(select** s**.**alf\_pe**,min(**s**.**diag\_date**)** **as** smoke\_calc\_date**,**smoking\_status\_proposed**,**smoking\_status\_desc **from** SAILW0915V**.**aw\_SMOKING\_STATUS s

--inner join sailw0915v.hosp\_superspell2017 h

--on s.alf\_pe = h.alf\_pe

--and s.diag\_date between h.min\_spell\_start and h.max\_disch\_dt

**group** **by** s**.**alf\_pe**,**smoking\_status\_proposed**,**smoking\_status\_desc**)** c

**)**smoke

**on**

b**.**alf\_pe **=**smoke**.**alf\_pe

----------------------prev revasc-----------------------------------------------------------------

**left** **join**

**(select** f**.**alf\_pe**,** **case** **when** OPCS\_TYPE **in** **(**'Balloon\_STENT'**,**'DES\_BMS'**,**'Balloon'**,**'presence'**,**'CABG'**,**'angio\_atherectomy'**,**'angio\_injection'**)** **and** BAFTA**=** 'before'

**then** '1' **else** '0' **end** **as** prev\_revascularisation**,**

**CASE** **WHEN** OPCS\_TYPE **=** 'CABG' **AND** bafta **=** 'during' **then** '1' **else** '0' **end** **as** cabg\_during

**from** sailw0915v**.**aw\_opcs\_master f **)** e -------update to 2017 here \*\*\*

**on** b**.**alf\_pe**=** e**.**alf\_pe

**GROUP** **BY** b**.**alf\_pe

**)** **WITH** **NO** **DATA**

--------------------------------------

**SELECT** s**.\*** **FROM**

--SELECT count (DISTINCT alf\_pe ),chads\_score FROM

**(**

**SELECT** a**.\*,** b**.**chadsvasc**,**b**.**chads\_score**,**

bb**.**chads**,**

c**.**disch\_hf**,** c**.**disch\_thromb**,** c**.**Disch\_is**,** c**.**disch\_stroke**,**c**.**DISCH\_STROKE **,**c**.**disch\_DM**,** c**.**disch\_af**,** c**.**prev\_af**,** c**.**contemp\_af**,**

c**.**prev\_stroke**,** c**.**disch\_vasc**,** c**.**prev\_mi**,** contemp\_acs**,**

--c.prev\_hf, c.prev\_Thromb,

d**.**total\_time365**,**dd**.**days\_before**,** dd**.**days\_after**,**

--e.MI,e.time\_to\_MI,

--e.stroke,e.time\_to\_stroke,

--e.revascularisation,e.time\_to\_revasc,

--e.death,e.time\_to\_Death,

--e.bleed,e.time\_to\_bleed,

--e.mace, e.T\_MACE, f.kap\_mi547, f.kap\_stroke547,f.kap\_revasc547,

--f.kap\_death547, f.kap\_bleed547,f.kap\_mace547,

--g.\*,

h**.**threemonthap **,** h**.**sixmonthap**,** h**.**ninemonthap**,** h**.**twelvemonthap**,**h**.**fiftmonthap**,**h**.**eighteenmonthap**,** k**.**THREEM**,**

--kk.P2y12,

--kkk.read\_type AS doac, kkkk.read\_type AS warf,kkkkk.asp,

i**.**mace365**,** i**.**kap\_mace365**,**i**.**MI365**,** i**.**kap\_mi365**,**i**.**stroke365**,** i**.**kap\_stroke365**,**

i**.**revascularization365**,** i**.**kap\_revasc365**,** i**.**death365**,** i**.**kap\_death365**,**

i**.**bleed365**,** i**.**kap\_bleed365**,** j**.**T\_bleed365**,** m**.**t\_mistrokedeath365**,** m**.**mistrokedeath365**,** m**.**KAP\_mistrokedeath365**,**

n**.**kap\_time\_to\_AF**,** n**.**kap\_af\_after**,**o**.**p2y12**,** oo**.**asp**,** ooo**.**read\_type **AS** AC

**FROM** sailw0915v**.**AW\_1 a

**LEFT** **JOIN** sailw0915v**.**aw\_chadsvasc\_score b **ON** a**.**alf\_pe **=** b**.**alf\_pe

**LEFT** **JOIN** sailw0915v**.**AW\_ALLSCORE bb **ON** a**.**alf\_pe **=** bb**.**alf\_pe

**LEFT** **JOIN** sailw0915v**.**aw\_disch\_comorb c **ON** a**.**alf\_pe **=** c**.**alf\_pe

**LEFT** **JOIN** sailw0915v**.**total\_time365 d **ON** a**.**alf\_pe **=** d**.**alf\_pe

**LEFT** **JOIN** sailw0915v**.**AW\_time dd **ON** a**.**alf\_pe**=** dd**.**alf\_pe

--LEFT JOIN sailw0915v.aw\_events547 e ON a.alf\_pe= e.alf\_pe

**LEFT** **JOIN** sailw0915v**.**aw\_kaplein f **ON** a**.**alf\_pe **=** f**.**alf\_pe

---LEFT JOIN sailw0915v.aw\_triple g ON a.alf\_pe=g.alf\_pe

**LEFT** **JOIN** sailw0915v**.**eigtheen\_apt h **ON** a**.**alf\_pe **=** h**.**alf\_pe --------ok

**LEFT** **JOIN** sailw0915v**.**prescribe k **ON** a**.**alf\_pe**=** k**.**alf\_pe

--LEFT JOIN sailw0915v.aw\_P2y12 kk ON a.alf\_pe= kk.alf\_pe

--LEFT JOIN sailw0915v.aw\_doac1 kkk ON a.alf\_pe=kkk.alf\_pe

--LEFT JOIN sailw0915v.aw\_vitK kkkk ON a.alf\_pe= kkkk.alf\_pe

--LEFT JOIN sailw0915v.aw\_aspirin kkkkk ON a.alf\_pe = kkkkk.alf\_Pe

**LEFT** **JOIN** sailw0915v**.**aw\_kaplein365 i **ON** a**.**alf\_pe **=** i**.**alf\_pe ---ok

**LEFT** **JOIN** sailw0915v**.**aw\_Tbleed365 j **ON** a**.**alf\_pe **=** j**.**alf\_pe ---------ok

**LEFT** **JOIN** sailw0915v**.**aw\_MACE M **ON** a**.**alf\_pe **=** m**.**alf\_pe

**LEFT** **JOIN** sailw0915v**.**KAP\_AF n **ON** a**.**alf\_pe**=**n**.**alf\_pe

**LEFT** **JOIN** sailw0915v**.**aw\_P2y12 o **ON** a**.**alf\_pe **=** o**.**alf\_pe

**LEFT** **JOIN** sailw0915v**.**aw\_aspirin oo **ON** a**.**alf\_pe **=** oo**.**alf\_pe

**LEFT** **JOIN** sailw0915v**.**aw\_AC ooo **ON** a**.**alf\_pe **=** ooo**.**alf\_pe

**)**s

**WHERE** s**.**total\_time365 **>**0 **AND** age**>**0 **AND** disch\_AF **=**1 **AND** CABG\_DURING**=**0 **AND** threem **!=**'0'

**GROUP** **BY** chads\_score

