

## OVeRSepsis Telephone Cohort Building SOP

### Step 1. Pull inpatient data from CDW (SAS code)

Code location (file name): [P:\Codes\Shirley Codes\Pull Data SQL Codes\Final codes to run](#)

- File name: Step1\_OSinpatient\_cdwpull.sas

Description to determine pull date ranges: Pull all patients that were admitted from national VA facilities. Example, if pull date (today) is 11/9/21, want patients who were discharged in the previous 16 – 2 days prior to pull date. So discharge dates are between 10/24/21-11/7/21.

Hospital length of stay (LOS) for OverSepsis wanted is between 3-42 days, so count 42 days back from 10/24/21 (because it's the earliest between the 2 discharge dates: 10/24/21 vs. 11/7/21).

Dates are formulated automatically from today's pull date so no need to change anything:

```
declare @currentdate date=getdate();  
declare @startdate2 date=getdate()-58; /*16+42=58*/  
declare @enddate2 date=getdate()-5; /*2+3=5*/
```

**TO DO:** Select entire program and hit run, no need to change anything

The output VAPD datasets will be saved in folder: [/data/dart/2021/Data/inpatient](#)

Once the SAS dataset is saved as sepsis.OS\_cohort\_&today'sdate, same dataset is uploaded into CDW space as dflt.OS\_cohort\_YYYYMMDD

**TO CHECK:** that all the datasets: 1) sepsis.OS\_cohort\_&today'sdate 2) dflt.OS\_cohort\_YYYYMMDD are there

### Step 2. Run the SAS code to collapse data pulled from Step 1 into a VA to VA VAPD (SAS code)

Code location (file name): [P:\Codes\Shirley Codes\Pull Data SQL Codes\Final codes to run](#)

- File name: Step2\_VAtoVAVAPD.sas

This SAS code will collapse the data pulled in from step 1 into a VA to VA VAPD dataset with new\_admitdate3 and new\_dischargedate3 fields.

**TO DO:** Select all code and hit run.

The output VAPD datasets will be saved in folder: [/data/dart/2021/Data/inpatient](#)

**TO CHECK:** Output dataset is called sepsis.VAtoVA\_daily\_YYYYMMDD (this daily dataset includes day 0s).

### Step 3. Use SAS Pass Thru to pull in additional data needed from CDW to determine Sepsis patients (SAS code)

Code location (file name): [P:\Codes\Shirley Codes\Pull Data SQL Codes\Final codes to run](#)

- File name: Step3\_SASPT\_pullsepsisdata.sas

This is the SAS Pass Thru code to pull in additional data components from CDW for further data management to identify sepsis telephone cohort from Step 2.

Using: declare @currentdate date=getdate()

declare @startdate2 date=getdate()-60 /\*need the 24hr prior to ED arrival data, so extended from -58 to -60\*/

Data components to pull:

- BMCA ABX meds: [/data/dart/2021/Data/meds](#)
  - BCMA\_ABX&today'sdate
- Pressor meds: [/data/dart/2021/Data/meds](#)
  - BCMA\_Pressor&today'sdate
- EDIS arrival time: [/data/dart/2021/Data/EDIS](#)
  - Edis\_arrivaltime&today'sdate
- Vitals (respiration, pulse, temperature): [/data/dart/2021/Data/vitals](#)
  - temperature&today'sdate
  - pulse&today'sdate
  - RESPIRATION&today'sdate
- Labs (WBC, Platelet, Lactate, Creatinine, Bilirubin): [/data/dart/2021/Data/labs](#)
  - labs.labs&today'sdate
    - this is one dataset that contains all 5 types of labs, which can be filtered by LabGroup
- Mechanical Ventilation (procedure codes): [/data/dart/2021/Data/procedures](#)
  - proc\_mechvent&today'sdate
- PulseOX: [/data/dart/2021/Data/pulse ox](#)
  - pulseox&today'sdate

**TO DO:** Select all code and hit run.

**TO CHECK:** that all the datasets are there in their folders with today's date

### Step 4. Clean the datasets pulled from Step 3 (SAS Code)

Code location (file name): [P:\Codes\Shirley Codes\Pull Data SQL Codes\Final codes to run](#)

- File name: Step4\_datacleaning.sas

Data components to clean:

- EDIS arrival time: [/data/dart/2021/Data/EDIS](#)
  - Edis\_Clean&today's date
- Vitals (respiration, pulse, temperature): [/data/dart/2021/Data/vitals](#)
  - TEMPERATURE\_Clean&today's date
  - Pulse\_Clean&today's date
  - RESPIRATION\_Clean&today's date
- Mechanical Ventilation (procedure codes): [/data/dart/2021/Data/procedures](#)
  - MechVent\_Clean&today's date
- Labs (WBC, Platelet, Lactate, Creatinine, Bilirubin): [/data/dart/2021/Data/labs](#)
  - bilirubin\_Clean&today's date
  - Creatinine\_Clean&today's date
  - Platelets\_Clean&today's date
  - LACTATE\_Clean&today's date
  - WBC\_Clean&today's date
- BMCA ABX meds: [/data/dart/2021/Data/meds](#)
  - BCMA\_ABXClean&today's date
- Pressor meds: [/data/dart/2021/Data/meds](#)
  - BCMA\_PressorClean&today's date
- PulseOX: [/data/dart/2021/Data/pulse ox](#)
  - Pulseox\_clean&today's date

**TO DO:** Select all code and hit run.

**TO CHECK:** that all the datasets are there in their folders with today's date

## Step 5. Identify Sepsis Telephone Cohort

Code location (file name): [P:\Codes\Shirley Codes\Pull Data SQL Codes\Final codes to run](#)

- File name: Step5\_ID\_SepsisPatients.sas
  - **Data management to merge the datasets from Step 4 to Step 2 in order to identify Sepsis patients**
    - Dataset location: [/data/dart/2021/Data/Telephone Cohort](#)
    - Dataset name: sepsis\_hosps&today's date

**TO DO:** Select all code and hit run.

**TO CHECK:** that all the datasets are there in their folders with today's date