

```
1 Looking at PhysioNet's MIMIC-Demo database of EHR data
2 https://physionet.org/content/mimiciii-demo/1.4/
3 Distributed as CSV files, they recommend using SQLite, and particularly SQLite
  explore
```

Entrée [4] ▼

```
1 %bash
2 # download zip'ed version of db
3 wget -N https://physionet.org/static/published-projects/mimiciii-demo/mimic-iii-c
4 unzip      mimic-iii-clinical-database-demo-1.4.zip
```

executed in 1.09s, finished 10:31:14 2023-09-10

```
--2023-09-10 10:31:13-- https://physionet.org/static/published-projects/mimiciii-demo/mimic-iii-clinical-database-demo-1.4.zip (https://physi
projects/mimiciii-demo/mimic-iii-clinical-database-demo-1.4.zip)
Resolving physionet.org (physionet.org)... 18.18.42.54
Connecting to physionet.org (physionet.org)|18.18.42.54|:443... connected.
HTTP request sent, awaiting response... 304 Not Modified
File 'mimic-iii-clinical-database-demo-1.4.zip' not modified on server. Omitting download.
```

```
Archive: mimic-iii-clinical-database-demo-1.4.zip
  creating: mimic-iii-clinical-database-demo-1.4/
  inflating: mimic-iii-clinical-database-demo-1.4/ADMISSIONS.csv
  inflating: mimic-iii-clinical-database-demo-1.4/CALLOUT.csv
  inflating: mimic-iii-clinical-database-demo-1.4/CAREGIVERS.csv
  inflating: mimic-iii-clinical-database-demo-1.4/CHARTEVENTS.csv
  inflating: mimic-iii-clinical-database-demo-1.4/CPTEVENTS.csv
  inflating: mimic-iii-clinical-database-demo-1.4/DATETIMEEVENTS.csv
  inflating: mimic-iii-clinical-database-demo-1.4/D_CPT.csv
  inflating: mimic-iii-clinical-database-demo-1.4/DIAGNOSES_ICD.csv
  inflating: mimic-iii-clinical-database-demo-1.4/D_ICD_DIAGNOSES.csv
  inflating: mimic-iii-clinical-database-demo-1.4/D_ICD_PROCEDURES.csv
  inflating: mimic-iii-clinical-database-demo-1.4/D_ITEMS.csv
  inflating: mimic-iii-clinical-database-demo-1.4/D_LABITEMS.csv
  inflating: mimic-iii-clinical-database-demo-1.4/DRGCODES.csv
  inflating: mimic-iii-clinical-database-demo-1.4/ICUSTAYS.csv
  inflating: mimic-iii-clinical-database-demo-1.4/INPUTEVENTS_CV.csv
  inflating: mimic-iii-clinical-database-demo-1.4/INPUTEVENTS_MV.csv
  inflating: mimic-iii-clinical-database-demo-1.4/LABEVENTS.csv
  inflating: mimic-iii-clinical-database-demo-1.4/LICENSE.txt
  inflating: mimic-iii-clinical-database-demo-1.4/MICROBIOLOGYEVENTS.csv
  inflating: mimic-iii-clinical-database-demo-1.4/NOTEEVENTS.csv
  inflating: mimic-iii-clinical-database-demo-1.4/OUTPUTEVENTS.csv
  inflating: mimic-iii-clinical-database-demo-1.4/PATIENTS.csv
  inflating: mimic-iii-clinical-database-demo-1.4/PRESCRIPTIONS.csv
  inflating: mimic-iii-clinical-database-demo-1.4/PROCEDUREEVENTS_MV.csv
  inflating: mimic-iii-clinical-database-demo-1.4/PROCEDURES_ICD.csv
  inflating: mimic-iii-clinical-database-demo-1.4/SERVICES.csv
  inflating: mimic-iii-clinical-database-demo-1.4/SHA256SUMS.txt
  inflating: mimic-iii-clinical-database-demo-1.4/TRANSFERS.csv
```

```
Entrée [1] v 1# look for our ICD10 codes , and CPT codes
2c T80.21 mimic-iii-clinical-database-demo-1.4/*DIAG*.csv
3
4wc 36555 mimic-iii-clinical-database-demo-1.4/*CPT*.csv mimic-iii-clinical-databe
```

executed in 444ms, finished 10:40:26 2023-09-10

```
mimic-iii-clinical-database-demo-1.4/DIAGNOSES_ICD.csv:0
mimic-iii-clinical-database-demo-1.4/D_ICD_DIAGNOSES.csv:0
mimic-iii-clinical-database-demo-1.4/CPTEVENTS.csv:0
mimic-iii-clinical-database-demo-1.4/D_CPT.csv:0
mimic-iii-clinical-database-demo-1.4/D_ICD_PROCEDURES.csv:0
mimic-iii-clinical-database-demo-1.4/PROCEDUREEVENTS_MV.csv:0
mimic-iii-clinical-database-demo-1.4/PROCEDURES_ICD.csv:0
```

```
Entrée [1] v 1# looks like they're using ICD-9, and have the ICD-9 codes we want
2!grep -iw --color=yes catheter mimic-iii-clinical-database-demo-1.4/D_ICD_DIAGNOS
```

executed in 169ms, finished 10:46:38 2023-09-10

```
11416,99631,Malfunc urethral cath,Mechanical complication due to urethral (indwelling) catheter
11433,99656,Comp-periton dialys cath,Mechanical complication due to peritoneal dialysis catheter
11440,99664,React-indwell urin cath,Infection and inflammatory reaction due to indwelling urinary catheter
11627,99668,React-periton dialy cath,Infection and inflammatory reaction due to peritoneal dialysis catheter
12308,V561,Ft/adj xtrcorp dial cath,Fitting and adjustment of extracorporeal dialysis catheter
12309,V562,Fit/adj perit dial cath,Fitting and adjustment of peritoneal dialysis catheter
12596,E8716,FB post heart catheter,Foreign object left in body during heart catheterization
12765,E8717,FB post-catheter removal,Foreign object left in body during removal of catheter or packing
12809,V5881,Fit/adj vascular cathetr,Fitting and adjustment of vascular catheter
12810,V5882,Fit/adj non-vsc cath NEC,"Fitting and adjustment of nonvascular catheter, NEC"
13214,99931,Oth/uns inf-cen ven cath,Other and unspecified infection due to central venous catheter
13215,99932,Blood inf dt cen ven cth,Bloodstream infection due to central venous catheter
13216,99933,Lcl inf dt cen ven cth,Local infection due to central venous catheter
13384,E8725,Fail sterile catheter,"Failure of sterile precautions during aspiration of fluid or tissue, punct
zation"
```

```
Entrée [1] v 1# but no one in this data set actually gets a catheter infection
2!egrep -wc "(99931|99932|99933)" mimic-iii-clinical-database-demo-1.4/*DIAG*.csv
```

executed in 198ms, finished 10:48:39 2023-09-10

```
mimic-iii-clinical-database-demo-1.4/DIAGNOSES_ICD.csv:0
mimic-iii-clinical-database-demo-1.4/D_ICD_DIAGNOSES.csv:3
```