Data storage: [\\store\department\ick\Research\_Data](file:///\\store\department\ick\Research_Data)

W:\Analyses\Floor\

**Sleep study data** (PATIENT IDENTIFYING DATA!)

**PSG / PICU**

*PseudonymizationKey.xlsx*

* Patient key (PSG001 / PICU001)
* Patient ID
* Patient name
* Birth date
* Measurement date

**EDF files**

*[PatientKey].edf*

*….*

**Data**

**PSG / PICU**

**1\_Patient\_data**

*PatientData\_ALL.csv / PatientData\_INCLUDED.csv*

* + Patient key
  + Age (year, month, days)
  + Age category
  + Gender
  + PSG indication
  + Diagnosis
  + Diagnosis category
  + Medication
  + Data quality
  + Inclusion (yes/no)

**2\_Raw\_data**

*[PatientKey].EDF*

*…*

**3\_Pre-processed\_data**

*[PatientKey]p.EDF*

…

**4\_Feature\_data**

*PatientKey\_featureSet.csv*

* + - Epoch number
    - Sleep stage label
    - Lead – Feature
    - …

…

**5\_Classification\_output\_data**

*PatientKey\_classificationOutput.csv*

* Epoch number
* True sleep stage label
* Estimated sleep stage label algorithm 1
* Estimated sleep stage label algorithm 2
* Estimated sleep stage label algorithm 3
  + - …

…

**6\_Performance\_data**

*PatientKey\_performance\_PSG.csv / PatientKey\_performance\_ICU.csv*

* + - Algorithm number
    - Cohen’s kappa
    - Accuracy
    - Sensitivity / specificity / F-score
    - Contingency table
    - Total sleep time; difference
    - %REM; difference
    - %N1; difference
    - %N2; difference
    - %N3; difference
    - Sleep onset latency

**Algorithm1\_Hypnograms**

*PatientKey\_Alg1\_Hypnograms.jpeg*

*…*

**Algorithm2\_Hypnograms**

*PatientKey\_Alg2\_hypnograms.jpeg*

*…*

…

**Models**

*Model1.pkl*

*Model2.pkl*

…