## **Estonian hip fracture data from Jan 2009- Oct 2017 (modified)**

## Structure of the dataset and descriptions of the variables

ABBREVIATIONS:

PAC – post-acute care

LOS – length of hospital stay (measured in days)

n/a – not available or missing value

# **SUMMARY FILE (COLUMNS)**

* **Patients’ characteristics**
  + **id** – anonymised patient’s identification number
  + **sex** – f – female; m – male
  + **age** – in years
  + **county** – county of residence
  + Comorbidities
    - **comorbidity** – Charlson comorbidity score
    - 19 disease categories, all binary variables (1 – disease, 0 – no disease): myocardial\_infarction, congestive\_heart\_failure, peripheral\_vascular\_disease, cerebrovascular\_disease, dementia, chronic\_pulmonary\_disease, rheumatic\_disease, peptic\_ulcer\_disease, diabetes, hemi-paraplegia, renal\_disease, any\_malignancy, liver\_disease, metastatic\_solid\_tumor, aids-hiv, alcohol\_abuse, obesity, psychoses, depression
* **Fracture** 
  + Time
    - **date\_of\_fracture** – actually it is date of hospitalisation, but mostly they are the same
    - **year** – year of fracture
  + Type
    - **fracture\_type** – 3 values: femoral\_neck, pertrochanteric, subtrochanteric
* **Acute care (1st step care)**
  + Fracture treatment some variable include missing values (N/A) for operated patients
    - operation\_date

days\_to\_operation – time from acute hospitalisation to operation in days

operation\_weekday – 1 – Monday, 2 Tuesday …

* + - management\_method –values: conservative, hemiarthroplasty, total hip arthroplasty, osteosynthesis
  + Length of stay and physical therapy received
    - acute\_LOS – integer variable, acute length of stay in days
    - acute\_therapy – scale variable, physical therapy received during acute care
* **Post-acute care (2nd step care)**
  + Length of hospital stay

post-acute\_LOS – integer variable, total post-acute length of stay in days (includes all hospitalisations)

post-acute\_therapy – scale variable, total post-acute physical therapy received in hours (includes all in- and outpatient settings)

PAC\_type – post-acute care type: patients were subgrouped by received post-acute in- and outpatient care

* **Survival**
  + - Variablespresented as **time** (time period, m – month [in days or in months]) and **status** (1 – event of death occurred; 0 – alive at that time point).

time\_3m

status\_3m

time\_12m

status\_12m

# **POST-ACUTE DATA ONLY (ROWS)**

* **Patients’ characteristics**
  + **id** – anonymised patient’s identification number
  + **invoice\_number** – post-acute invoices were numbered consecutively by date
  + **invoice\_start** – invoice start date
  + **invoice\_end** – invoice end date
  + **post-acute\_type** – type of setting (i simplified this part for the course, since defining these types would take much time)
  + **LOS** – length of stay in days in this setting, zeros are for outpatient settings
  + **therapy** – total physical therapy received in that setting

# **BOTH TABLES JOINED**

Check above.