Package: akiFlagger (via r-universe)

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Title Flags Acute Kidney Injury (AKI)

Version 0.2.0

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Description Flagger to detect acute kidney injury (AKI) in a patient dataset.

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Encoding UTF-8

LazyData true

Roxygen list(markdown = TRUE)

RoxygenNote 7.1.1

Imports dplyr, data.table, zoo

Suggests testthat

Depends R (>= 2.10)

URL https://github.com/isaranwrap/akiFlagger

BugReports https://github.com/isaranwrap/akiFlagger/issues

Repository https://isaranwrap.r-universe.dev

RemoteUrl https://github.com/isaranwrap/akiflagger

RemoteRef HEAD

RemoteSha 6931d9d4f9180fafa1bfd88a08d9b90030ea7a53

Contents

`returnAKIpatients` *Flag patients for AKI*

Description

Add in the AKI column in a patient dataframe according to the KDIGO criterion

Usage

```
returnAKIpatients(
  dataframe,
  HB_trumping = FALSE,
  eGFR_impute = FALSE,
  window1 = as.difftime(2, units = "days"),
  window2 = as.difftime(7, units = "days"),
  add_min_creat = FALSE,
  add_baseline_creat = FALSE
)
```

Arguments

`dataframe`	patient dataset
`HB_trumping`	boolean on whether to have historical baseline creatinine values trump the local minimum creatinine values
`eGFR_impute`	boolean on whether to impute missing baseline creatinine values with CKD-EPI equation
`window1`	rolling window length of the shorter time window; defaults to 48 hours
`window2`	rolling window length of the longer time window; defaults to 162 hours
`add_min_creat`	boolean on whether to add the intermediate columns generated during calculation
`add_baseline_creat`	boolean on whether to add the baseline creatinine values in

Value

patient dataset with AKI column added in

#Imports

Examples

```
returnAKIpatients(toy)
```

toy *Toy dataset*

Description

Since real patient data is probably protected health information (PHI), this toy dataset contains all the relevant columns the flagger takes in.

Usage

```
toy
```

Format

A data frame (1078 x 6) consisting of relevant AKI measurements for patients

patient_id int, the patient identifier

enc int, the encounter identifier

inpatient boolean, whether or not the creatinine measurement taken was an inpatient measurement

admission POSIXct, the time the patient was admitted

time POSIXct, the time at which the creatinine measurement was taken

creatinine float, the creatinine value of the measurement taken @source http://akiflagger.readthedocs.io/

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