

# Package ‘AdverseEvents’

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**Title** 'shiny' Application for Adverse Event Analysis of 'OnCore' Data

**Version** 0.0.4

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**Description** An application for analysis of Adverse Events, as described in Chen, et al., (2023) <[doi:10.3390/cancers15092521](https://doi.org/10.3390/cancers15092521)>. The required data for the application includes demographics, follow up, adverse event, drug administration and optional tumor measurement data. The app can produce swimmers plots of adverse events, Kaplan-Meier plots and Cox Proportional Hazards model results for the association of adverse event biomarkers and overall survival and progression free survival. The adverse event biomarkers include occurrence of grade 3, low grade (1-2), and treatment related adverse events. Plots and tables of results are downloadable.

**URL** <https://github.com/dungtsa/AdverseEvents>

**License** GPL-3

**Encoding** UTF-8

**VignetteBuilder** knitr

**Suggests** knitr, rmarkdown

**RoxygenNote** 7.3.2

**Imports** shiny, shinycssloaders, shinyjs, tidyverse, rio, janitor, DT, skimr, ggpubr, ggnewscale, survival, survminer, ggplot2, shinythemes, ggrepel, lubridate

**NeedsCompilation** no

**Repository** CRAN

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resp\_code\_transform    *Convert RECIST response code*

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### Description

Convert RECIST response code

### Usage

```
resp_code_transform(
  data = NULL,
  response_col = NULL,
  new_col = response_col,
  key = c("1" = "Baseline (BL)",
         "2" = "Not Evaluable (NE)",
         "3" = "Stable Disease (SD)",
         "4" = "Partial Response (PR)",
         "5" = "Complete Response (CR)",
         "6" = "Progressive Disease (PD)")
)
```

### Arguments

data	A dataframe object that includes the column of interest to convert.
response_col	A string. The column name of the column to convert.
new_col	A string. The new column name of the converted response column. Defaults to original response column name.
key	A named vector key on how to convert the response IDs.

### Value

Dataframe.

### Examples

```
df <- data.frame(SampleID = c("A", "B", "C", "D", "E", "F"),
                 Response = c("1", "2", "3", "4", "5", "6"))
resp_code_transform(df, "Response", new_col = "Response_New")
```

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`runAEapp`

*Run Adverse Events App*

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**Description**

Run Adverse Events App

**Usage**

```
runAEapp(launch.browser = TRUE)
```

**Arguments**

`launch.browser` Boolean logic to launch application in browser. Default to TRUE.

**Value**

An R Shiny Application.

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