

Package ‘drpa’

June 11, 2021

Title Dose-response for Physical Activity and various causes and diseases

Version 0.0.1

Description

This package returns a response for a specific dose. This includes a number of diseases and all-cause mortality. Also it is used to return either incidence or mortality response.

Depends R (>= 3.4)

License AGPL

Encoding UTF-8

LazyData true

RoxygenNote 7.1.1

Imports tidyverse, magrittr, stats, readr

Suggests rmarkdown, knitr, testthat

VignetteBuilder knitr

Author Ali Abbas [aut, cre]

Maintainer Ali Abbas <m.ali.abbas@gmail.com>

R topics documented:

dose_response 1

Index 3

dose_response	<i>Dose response for Physical Activity</i>
---------------	--

Description

Based on our meta-analysis, returns a response value for a specific cause or disease.

1. Disease/Cause: Name of the disease/cause - from a specific list
2. Type: Fatal, non-fatal or fatal-and-non-fatal.

Usage

```
dose_response(  
  cause,  
  outcome_type,  
  dose,  
  confidence_intervals = F,  
  certainty = T,  
  use_75_pert = T  
)
```

Arguments

cause	All-cause-mortality or disease name
outcome_type	Fatal, non-fatal or fatal-and-non-fatal
dose	Dose (all-cause or disease)
confidence_intervals	Boolean variable to determine whether confidence intervals are returned or not - default false
certainty	Certain response (fixed) or uncertain in the range of lower and upper bounds - default is certain (T)
use_75_pert	Last quantile determined by person years; beyond which there is less confidence

Details

At the end, this function returns a response values with or without confidence interval

Value

response for a specific dose (in a data frame)

Index

dose_response, [1](#)