Package 'cfmortality'

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Type Package
Title Cystic Fibrosis Survival Prediction Model Based on Stanojevic Model
Version 0.3.0
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Description Allows clinicians to predict survival probabilities over the next two years for cystic fibro sis patients, based on the clinical prediction models published in Stanojevic et al. (2019) <doi:10.1183 13993003.00224-2019="">.</doi:10.1183>
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```
 \begin{array}{ll} \textit{Predicts 1- and 2- year Mortality Prediction Models in Cystic Fibrosis} \\ \textit{(CF)} \end{array}
```

Description

Predicts 1- and 2- year Mortality Prediction Models in Cystic Fibrosis (CF)

Usage

```
predictcfmortality(
   age,
   male,
   fvc,
   fev1,
   fev1LastYear,
   bcepacia,
   underweight,
   nHosp,
   pancreaticInsufficient,
   CFRelatedDiabetes,
   ageAtDiagnosis
)
```

Arguments

	age	Patient age, in years
	male	A binary variable with 0 for females and 1 for males
	fvc	FVC percent predicted in the current year (0-150)
	fev1	FEV1 percent predicted in the current year (0-150)
	fev1LastYear	FEV1 percent predicted in the preceding year (0-150)
	bcepacia	A binary with 0 for no B. cepacia complex and 1 for B. cepacia complex
	underweight	A binary with 1 for underweight (BMI < 18.5 if age >= 19 or BMI percentile <= 12% if age < 19)
	nHosp	An integer number of hospitalizations in preceding year
pancreaticInsufficient		
		A binary taking 1 for pancreatic insufficient status and 0 otherwise
CFRelatedDiabetes		
		A binary variable for CF related diabetes
	ageAtDiagnosis	A number for age at CF diagnosis in years

Value

1- and 2-year predicted mortality risk

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Source

https://erj.ersjournals.com/content/early/2019/05/08/13993003.00224-2019

Examples

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