Package: vaRiskScore (via r-universe)

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Type Package

Title VA CVD Risk Score

Version 1.1.0

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Description Estimates the predicted 10-year cardiovascular (CVD) risk score (in probability) for women military service members and veterans by inputting patient profiles. The proposed women CVD risk score improves the accuracy of the existing American College of Cardiology/American Heart Association CVD risk assessment tool in predicting long-term CVD risk for VA women, particularly in young and racial/ethnic minority women. See the reference: Jeon-Slaughter, H., Chen, X., Tsai, S., Ramanan, B., & Ebrahimi, R. (2021) <doi:10.1161/JAHA.120.019217>.

License GPL-3

Encoding UTF-8

RoxygenNote 7.2.3

NeedsCompilation no

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Repository CRAN

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Contents

vaScore *VA CVD Risk Score (2021)*

Description

Calculates the cardiovascular (CVD) risk score for women military service members and veterans.

Usage

```
vaScore(
  age = 50,
  race = 1,
  SBPTrt = 1,
  SBP = 150,
  TC = 100,
  HDL = 50,
  DM = 1,
  Smoke = 1,
  Depression = 1,
  verbose = TRUE
)
```

Arguments

age	Patient age (years: 1-110)
race	Patient race (1 = White, 2 = African American, 3 = Hispanic)
SBPTrt	Patient is on a blood pressure medication (1 = Yes, 0 = No)
SBP	Systolic blood pressure (mmHg: 0-300)
TC	Total cholesterol (mg/dL: 0-400)
HDL	HDL cholesterol (mg/dL: 0-200)
DM	Diabetes (1 = Yes, 0 = No)
Smoke	Current smoker (1 = Yes, 0 = No)
Depression	Major Depression (1 = Yes, 0 = No)
verbose	logical: should input (patient profile) be printed.

Value

Estimated 10-year CVD Risk for VA women military service members and veterans.

Author(s)

Xiaofei Chen; Haekyung Jeon-Slaughter

References

Jeon-Slaughter, H., Chen, X., Tsai, S., Ramanan, B., & Ebrahimi, R. (2021). Developing an internally validated veterans affairs women cardiovascular disease risk score using Veterans Affairs National Electronic Health Records. Journal of the American Heart Association, 10(5), e019217.

Examples

```
library(vaRiskScore)
vaScore(age = 50,
        race = 1,
        SBPTrt = 1,
        SBP = 150,
        TC = 100,
        HDL = 50,
        DM = 1,
        Smoke = 1,
        Depression = 1,
        verbose = TRUE)
```

Index