

# Package ‘vaRiskScore’

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**Type** Package

**Title** VA CVD Risk Score

**Version** 2.0.0

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**Description** Estimates the predicted 10-year cardiovascular (CVD) risk score (in probability) for civilian women, 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](https://doi.org/10.1161/JAHA.120.019217)>.

**License** GPL-3

**Encoding** UTF-8

**RoxygenNote** 7.3.3

**NeedsCompilation** no

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**Repository** CRAN

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vaScore

*VA CVD Risk Score (2021)***Description**

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

**Usage**

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

**Arguments**

population	Military service (1 = Veteran, 2 = Current/Active, 3 = No Military)
age	Patient age (years: 1-110)
race	Patient race (1 = White, 2 = African American, 3 = Hispanic, 4 = Asian/Hawaiian Americans, 5 = American Indian/Indigenous Americans and Alaska Native)
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

**Author(s)**

Xiaofei Chen; Haekyung Jeon-Slaughter

**References**

Jeon-Slaughter, H., Chen, X., Whyne, E.Z., Tsai, S., Barbosa, M.R., Ramanan, B., Bhushan, S., & Cao, D. (2025). External Validation of the Veterans Affairs Women Cardiovascular Disease Risk Score to Nonveteran Women. *JACC Advances*, 4(9).

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

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