

Qual o melhor Escore de Risco para a população brasileira?

Claudio Marcelo B. das Virgens
Salvador, 11 de maio de 2017

Resolução 1595/2000 do Conselho Federal de Medicina
Declaração de potencial conflito de interesses

Ausência de conflitos de
interesse em relação ao tema da
conferência

Claudio Marcelo B. das Virgens

Conceito de “Fatores de Risco” Cardiovascular

Factors of Risk in the Development of Coronary Heart Disease— Six-Year Follow-up Experience

The Framingham Study

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AND JOSEPH STOKES, III, M.D.
Framingham, Massachusetts

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Томас Р. Даубер,
Абрахам Каган,
Николас Ревотски,
Джозеф Стоукес III

Age, sex, hypertension, hyperlipidemia, smoking, diabetes, (family history), (obesity)

Kannel et al, Ann Intern Med 1961

O escore de risco é clinicamente apropriado?

- Evidência sólida e robusta (avaliação crítica CBE)
- Impacto na sobrevida livre de eventos
- Benefício claro em desfechos clinicamente relevantes (AVC/óbito)
- Menor aumento em taxas de erro de predição
- Benefícios consistentes em grupos específicos
- Localmente custo efetivo (análise CE local)
- Disponibilidade e Facilidade de utilização
- Benefícios não baseados em subgupos, isoladamente



I Diretriz Brasileira de Prevenção Cardiovascular

REALIZAÇÃO

Sociedade Brasileira de Cardiologia

Agência de编译和编辑

OCAZIUAIA

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The image displays three screenshots of a mobile application for cardiovascular risk stratification, likely developed by the Brazilian Society of Cardiology (SBC) and the Brazilian Society of Endocrinology and Metabolism (SBEM).

Screenshot 1: Home screen of the app. The title is "CALCULADORA PARA ESTRATIFICAÇÃO DE RISCO CARDIOVASCULAR". It includes information about the update of the Brazilian Guidelines for Dyslipidemias and Prevention of Atherosclerosis (2017 & 2018). It also mentions the Brazilian Guidelines for Cardiovascular Disease Prevention in Patients with Diabetes (2017). Below this, there is a button labeled "clique aqui" and a section for "CONSULTORES" listing several names. At the bottom, logos for SBC, SBEM, and SBD are shown.

Screenshot 2: Result screen showing the risk level as "Alto". It compares "SEM TRATAMENTO" (without treatment) and "USANDO ESTATINA" (using statins). For "SEM TRATAMENTO", the target reduction is > 50% if LDL-c ≥ 70 mg/dL. For "USANDO ESTATINA", the targets are LDL-c < 70 mg/dL and N-HDLc < 100 mg/dL. Recommended treatment is listed as Atorvastatina 40-80 mg, Rosuvastatina 20-40 mg, and Simvastatina 40 / ezetimibe 10 mg. A "VOLTAR" (Back) button is at the bottom.

Screenshot 3: A table showing risk levels for women and men. The table lists risk percentages from 10,0% to 15,9% for women, and 15,6% to >30% for men. The table includes columns for "Risco (%)" and "Risco (mg/dL)".

Risco (%)	Risco (mg/dL)
10,0	
11,7	
13,7	
15,9	

Risco (%)	Risco (mg/dL)
15,6	
18,4	
21,6	
25,3	
29,4	
>30	

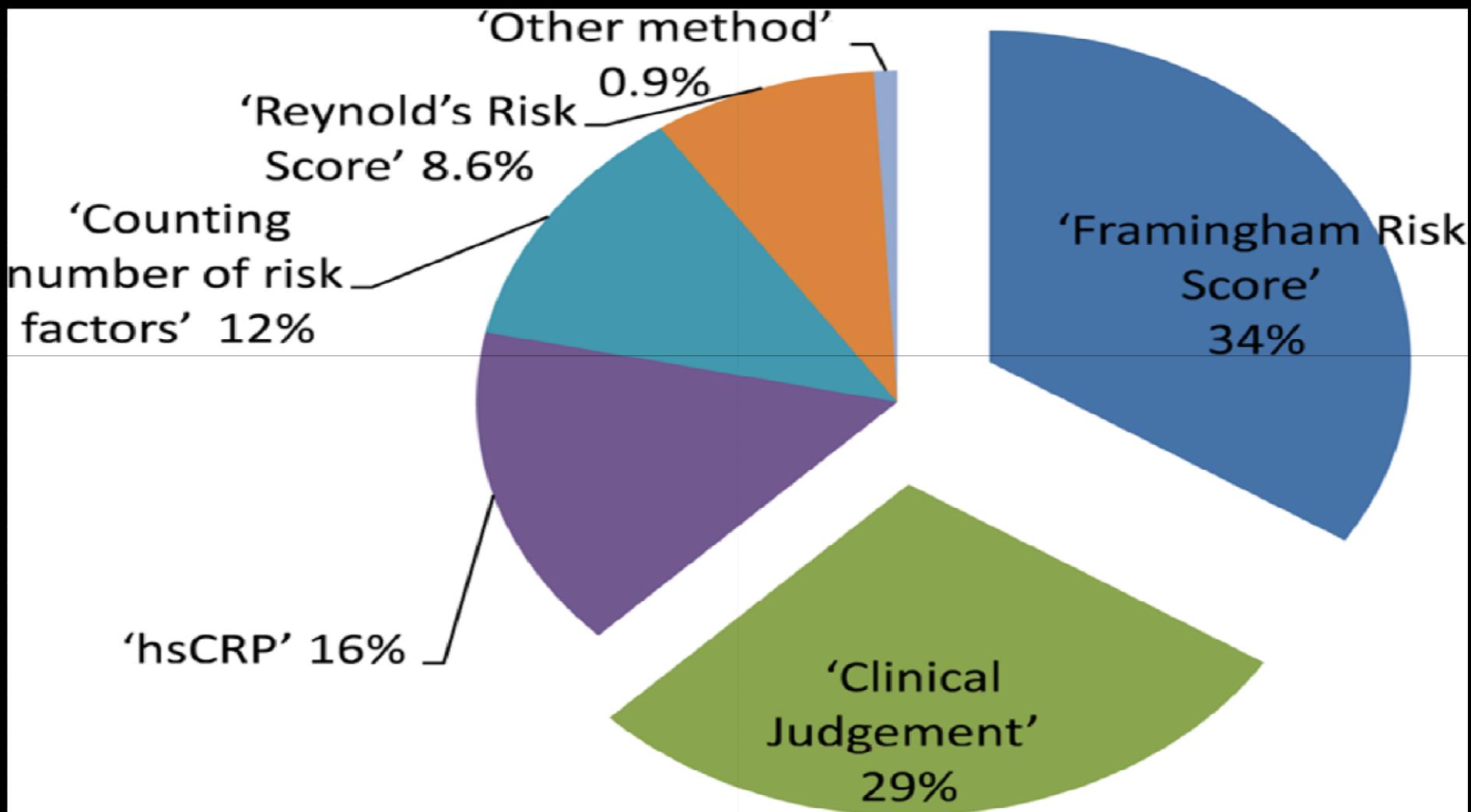
Qual o Escore recomendado pela SBC?

Fase 2 – Escore de risco

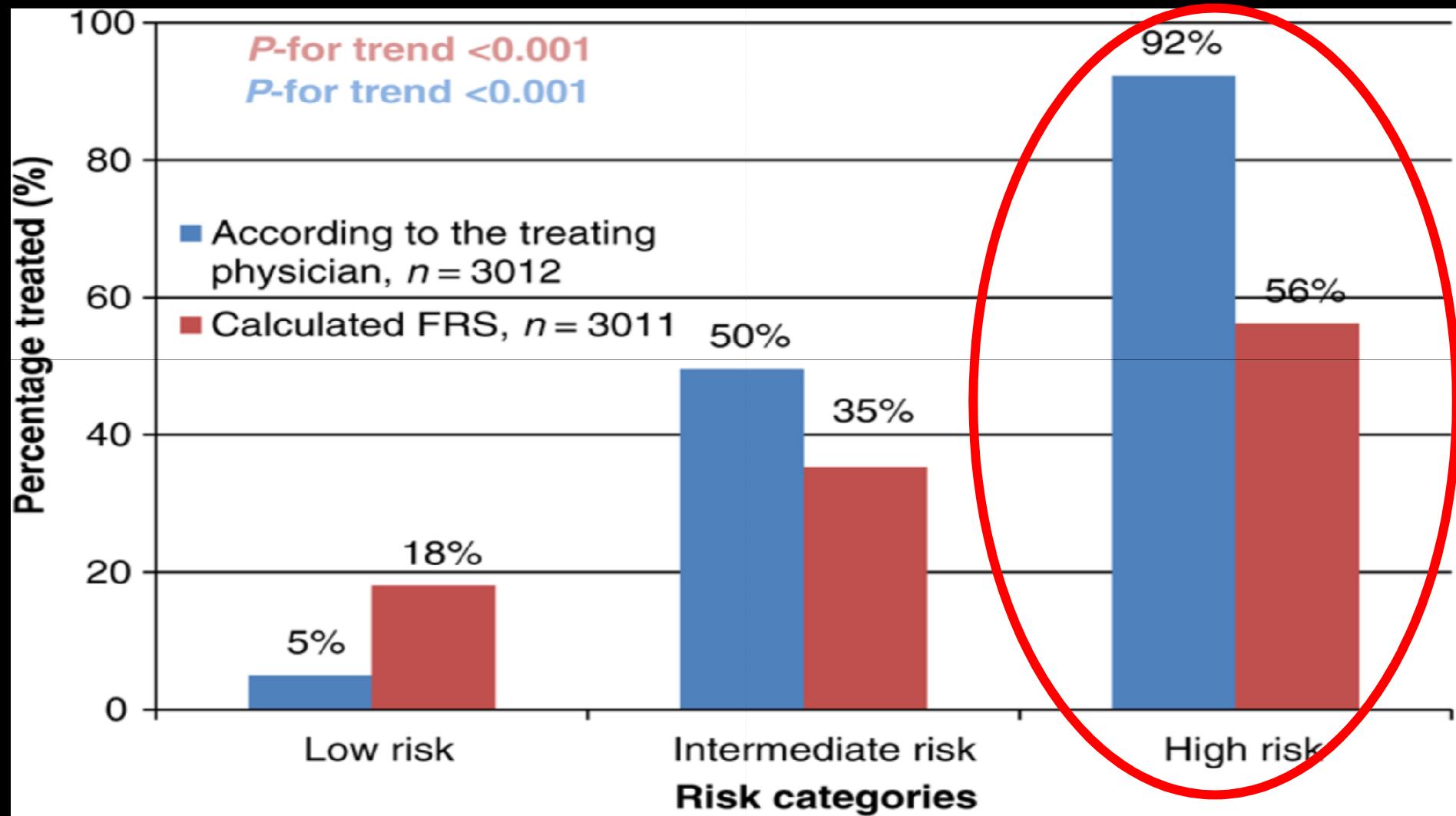
O Escore de Risco Global (ERG)¹⁵ (http://www.zunis.org/FHS_CVD_Risk_Calc_2008.htm) deve ser utilizado na avaliação inicial entre os indivíduos que não foram enquadrados nas condições de alto risco (Tabelas 1.2, 1.3, 1.4, 1.5).

nas condições de alto risco (Tabelas 1.2, 1.3, 1.4, 1.5).
do risco, quando os resultados das investigações

Primary prevention of cardiovascular disease: Global cardiovascular risk assessment and management in clinical practice

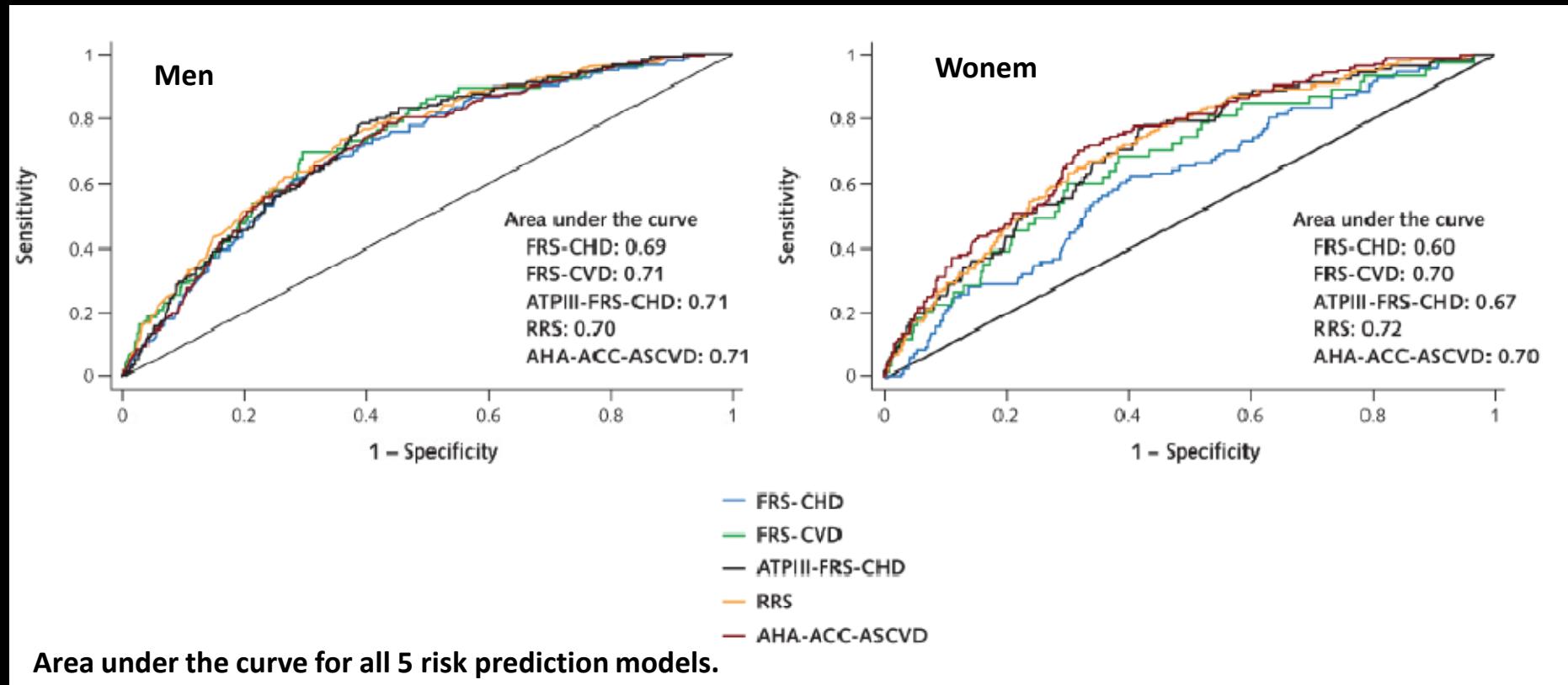


Primary prevention of cardiovascular disease: Global cardiovascular risk assessment and management in clinical practice

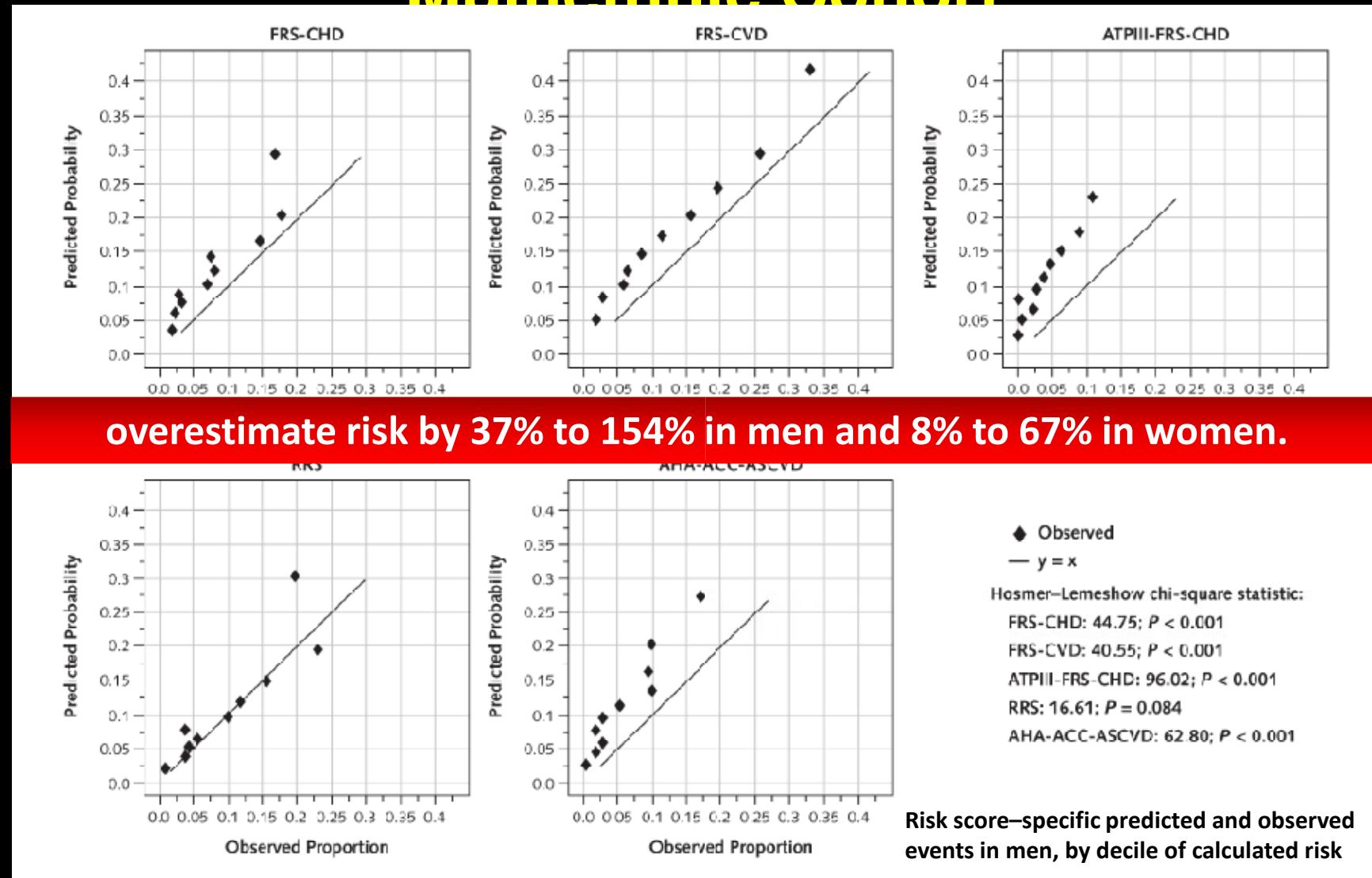


An Analysis of Calibration and Discrimination Among Multiple Cardiovascular Risk Scores in a Modern Multiethnic Cohort

MESA data (2000 to 2002): FRS-CHD, FRS-CVD, ATPIII-FRS-CHD, RRS, and AHA-ACC-ASCVD.

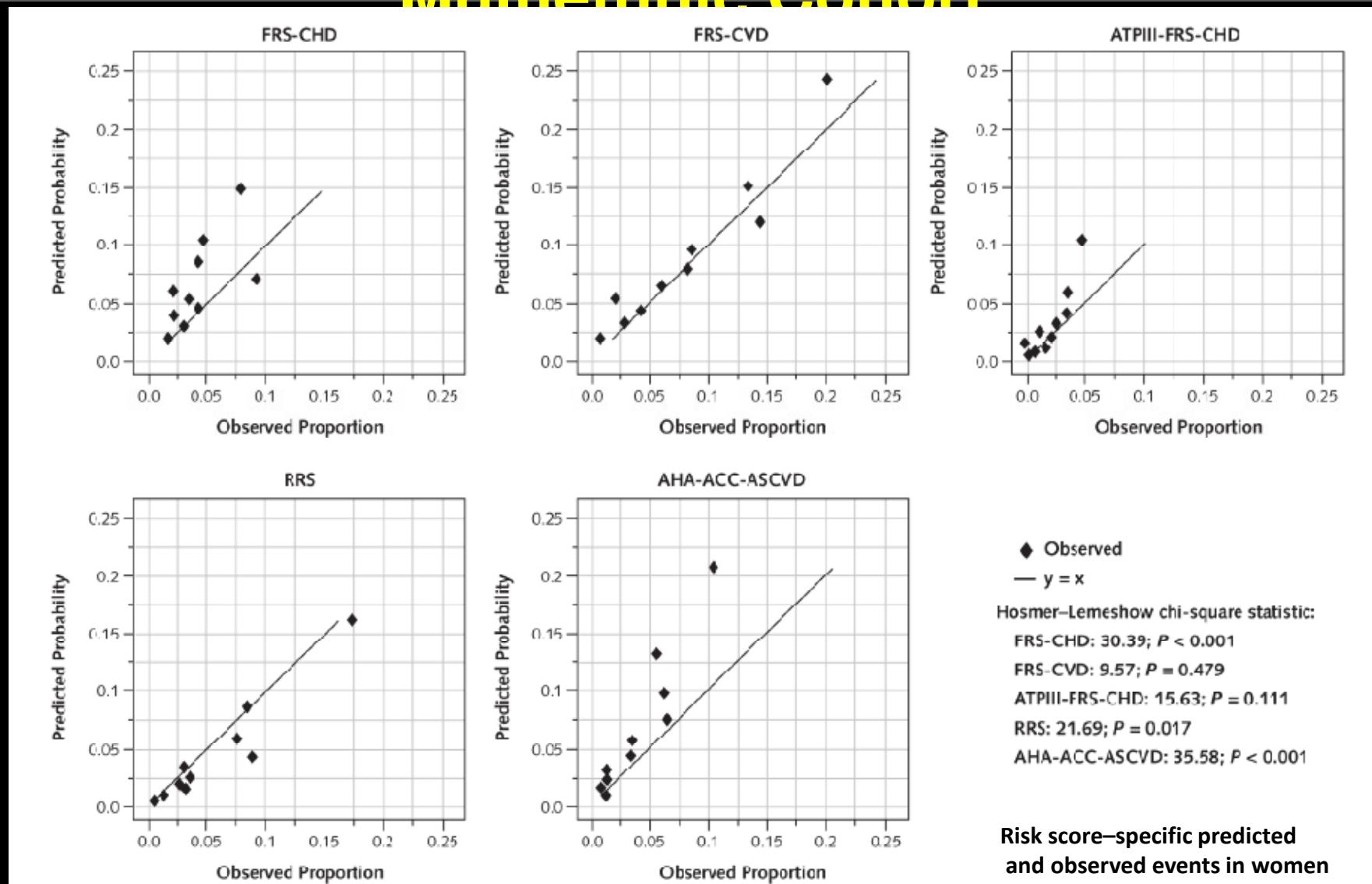


An Analysis of Calibration and Discrimination Among Multiple Cardiovascular Risk Scores in a Modern Multiethnic Cohort



Ann Intern Med. 2015 February 17; 162(4): 266–275. doi:10.7326/M14-1281.

An Analysis of Calibration and Discrimination Among Multiple Cardiovascular Risk Scores in a Modern Multiethnic Cohort



**Qual o melhor Escore de Risco para a
população brasileira?**

MESA 10-Year CHD Risk with Coronary Artery Calcification

Male Female

-85 years)

Years

Coronary Artery Calcification

Agatston

Ethnicity

Choose One

- Caucasian
- Chinese
- African American
- Hispanic

Ever Smoked

Yes No

Ever Smoke

Yes No

History of Heart Attack

Yes No

History in parents, siblings, or children

Total Cholesterol

mg/dL or mmol/L

LDL Cholesterol

mg/dL or mmol/L

Systolic Blood Pressure

mmHg or kPa

Ever taking Medication for High Blood Pressure

Yes No

Ever taking Medication for Hypertension

Yes No

<http://www.mesa-nhlbi.org>

Calculate 10-year CHD risk

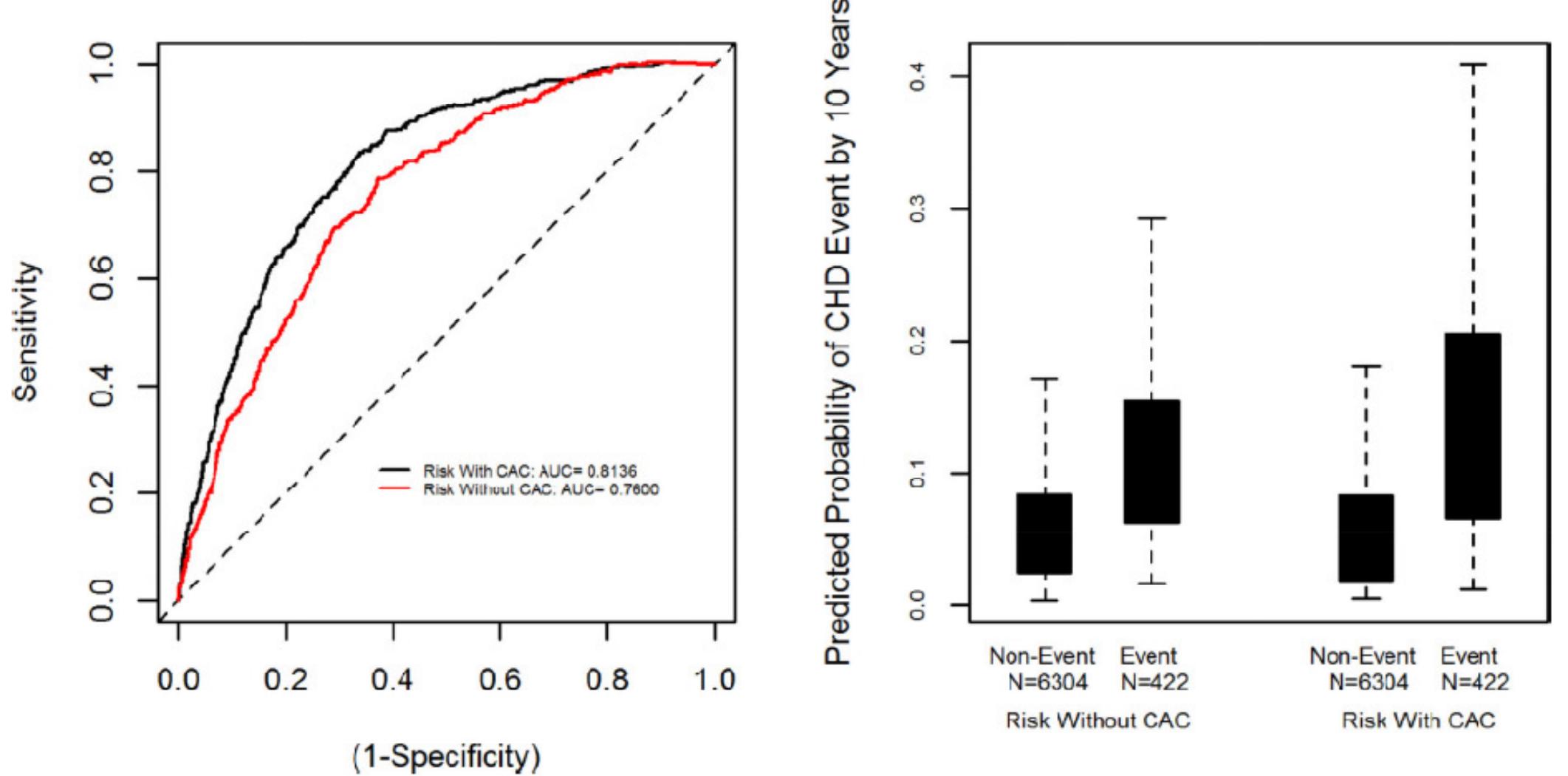
**MESA 10-Year CHD Risk with Coronary Artery Calcification**[Back to CAC Tools](#)**Gender** Male Female**Age (45-85 years)**70 Years**Coronary Artery Calcification**0 Agatston**Race/Ethnicity**Choose One

- Caucasian
- Chinese
- African American
- Hispanic

Diabetes Yes No**Currently Smoke** Yes No**Family History of Heart Attack** Yes No History in parents, siblings, or children**Total Cholesterol**190 mg/dL**LDL Cholesterol**50 mg/dL**Systolic Blood Pressure**130 mmHg**Lipid Lowering Medication** Yes No**Hypertension Medication** Yes No**Calculate 10-year CHD risk**

The estimated 10-year risk of a CHD event for a person with this risk factor profile including coronary calcium is 3.1%. The estimated 10-year risk of a CHD event for a person with this risk factor profile if we did not factor in their coronary calcium score would be

Ten-Year Coronary Heart Disease Risk Prediction Using Coronary Artery Calcium and Traditional Risk Factors: Derivation in the Multi-Ethnic Study of Atherosclerosis with Validation in the Heinz Nixdorf Recall Study and the Dallas Heart Study



Risco Cardiovascular por Framingham: uma análise de sensibilidade

