Heart Age Algorithms

Where TOT = Total Cholesterol (mg/dl) HDL = HDL Cholesterol (mg/dl?) DIAB = 1 if prevalent diabetes, 0 otherwise SMK = 1 if smoking in previous year, 0 otherwise SBP = Systolic Blood Pressure (mmHg) "Ln" = natural logarithm					
FULL ALGORITHM (TC, HDL-C & SBP known)					
→ Cal	culate 10-year CVD Risk :				
Men or	n Antihypertensive Rx:				
Men no	ot on Antihypertensive Rx:				
Women	on Antihypertensive Rx:	10 2 I institute in terms			
Women	n not on Antihypertensive Rx:	N 2 I I I I I I I I I			
	culate Heart Age : n < 60 years:	A forth where exect 1 1 4 (6 1) 1 a			
	n >= 60 years:	$\frac{\int_{\mathbb{R}^{N}}\int_{\mathbb{R}^{N}} \log n n}{1}$			

Women < 60 years:

1 10 H F 1 1

Women >= 60 years:

ALTERNATIVE ALGORITHM #1 (TC & HDL-C known, SBP unknown)

→ Calculate 10-year CVD Risk:	
Men:	The presence
Women:	
→ Calculate Heart Age: Men:	2 7分 12 14 14 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Women:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

ALTERNATIVE ALGORITHM #2 (TC, SBP, BMI known, HDL unknown)

→ Calculate 10-year CVD Risk:	
Men on Antihypertensive Rx:	N
Men not on Antihypertensive Rx:	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Women on Antihypertensive Rx:	19 1 1 1 1 1 1 1 1 1
Women not on Antihypertensive Rx:	M 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
→ Calculate Heart Age: Men <60 years:	1 1/2 to the state of the state
Men >= 60 years:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Women < 60 years:	

Women >= 60 *years*:

ALTERNATIVE ALGORITHM #3 (TC, BMI known, HDL & SBP unknown)

→ Calculate 10-year CVD Risk:	1 No Coronie no 1
Men:	
Women:	
→ Calculate Heart Age: Men:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Women:	# 1

ALTERNATIVE ALGORITHM #4 (SBP & BMI known, TC & HDL cholesterol unknown)

→ Calculate 10-year CVD Risk: *Men on Antihypertensive Rx: Men not on Antihypertensive Rx:* Women on Antihypertensive Rx: Women not on Antihypertensive Rx: → Calculate Heart Age: Men < 60 years of age: Men >= 60 years of age: 1 1/2 sport service Women < 60 years of age:

Women >= 60 years of age:

ALTERNATIVE ALGORITHM #5 (BMI known, SBP, TC & HDL cholesterol unknown)

→ Calculate 10-year CVD Risk:		
Men:		
Women:		
→ Calculate Heart Age: Men:	1 1 1 1 1 1 1 1 1 1	
Women:	1 1 8 AF 1 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1	