

Implementing the CV Risk Calculator Within the Patient Visit Workflow



The American College of Cardiology/American Heart Association CV Risk Calculator

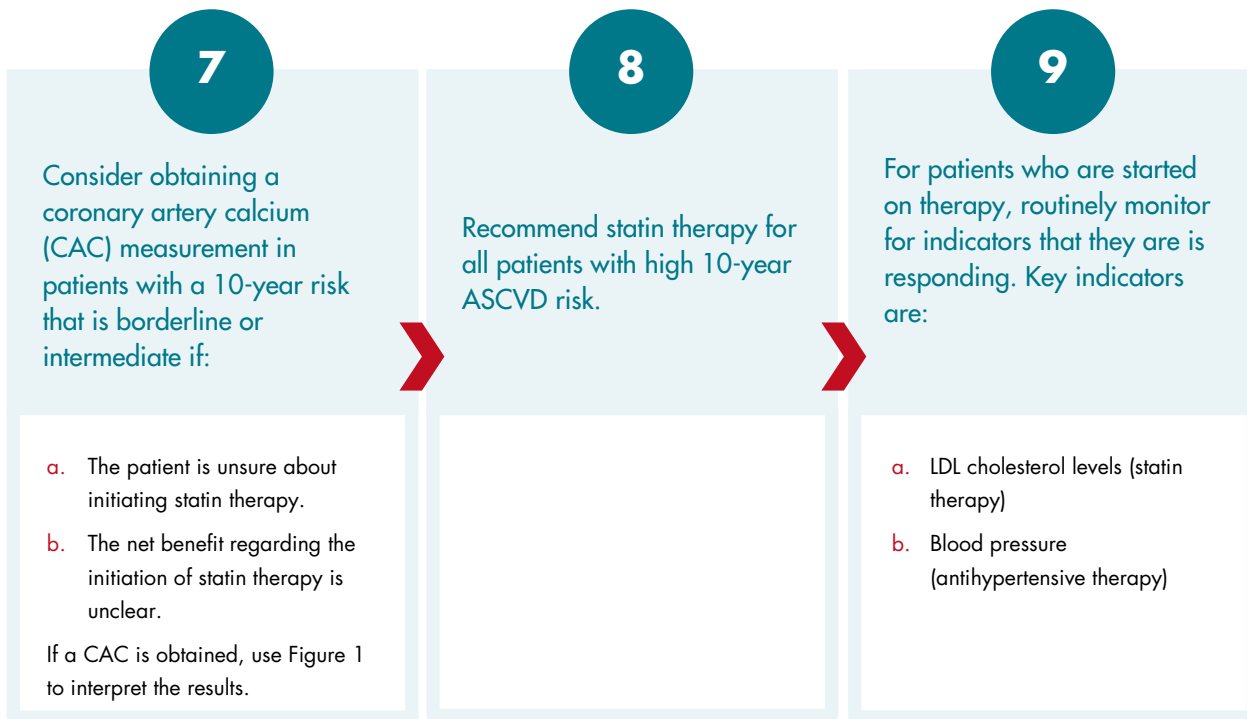
Baseline Risk	Updated Risk
Gender	<input type="radio"/> Male <input type="radio"/> Female
Age (years)	<input type="text" value="40-79"/>
Race	<input type="button" value="Select race"/>
Total Cholesterol	<input type="text" value="130-320"/>
LDL Cholesterol	<input type="text"/>
HDL Cholesterol	<input type="text" value="20-100"/>
Treatment With Statin	<input type="checkbox"/>
Systolic Blood Pressure	<input type="text" value="90-200"/>
Treatment For Hypertension	<input type="checkbox"/>
History Of Diabetes	<input type="checkbox"/>
Current Smoker	<input type="checkbox"/>
Aspirin Therapy	<input type="checkbox"/>

The purpose of the CV risk calculator is to estimate patients' 10-year atherosclerotic cardiovascular disease (ASCVD) risk at their initial clinic visit to establish a reference point.

The information required to estimate ASCVD risk includes age, sex, race, total cholesterol, LDL cholesterol, HDL cholesterol, systolic blood pressure, use of lipid-lowering and blood pressure medications, diabetes status, smoking status and aspirin therapy.

The Recommended Patient Visit Workflow





Algorithm of Clinical Approach

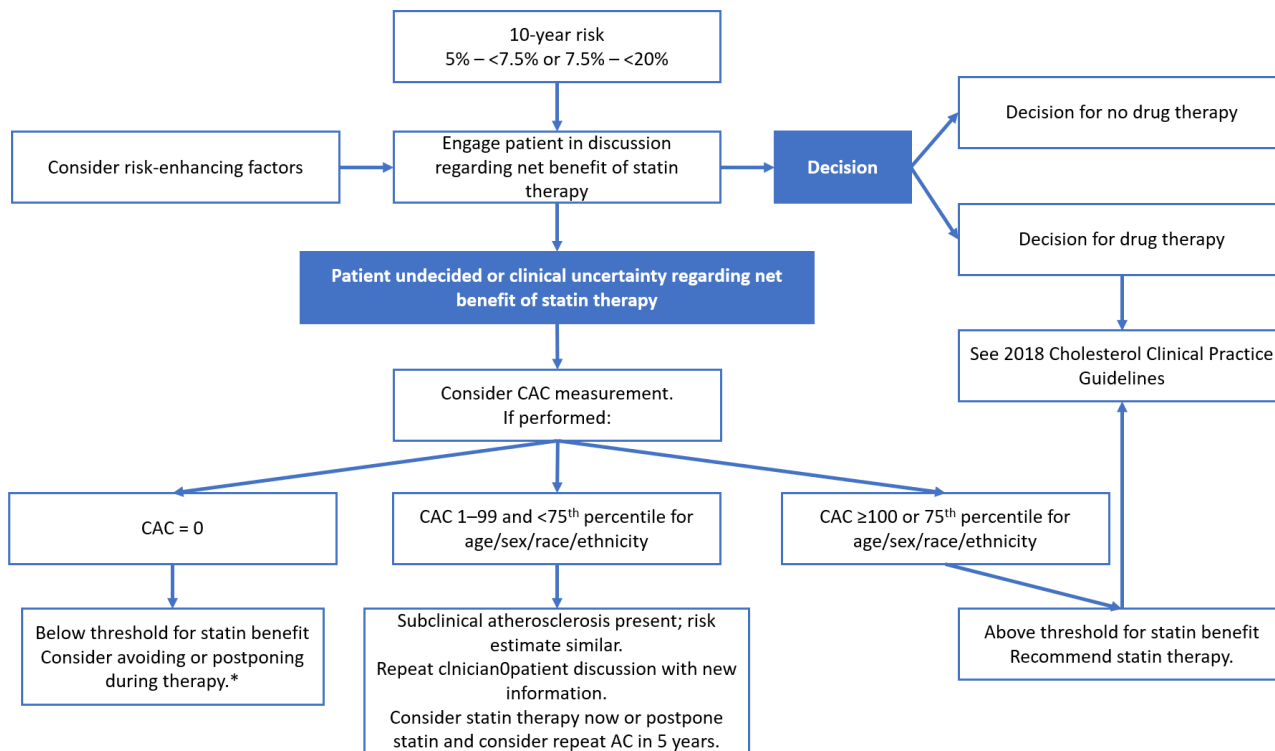


Figure 1: Algorithm of clinical approach to incorporate CAC measurement in risk assessment for borderline- and intermediate-risk patients. *Clinicians and patients may not wish to postpone therapy in patients with a CAC score of 0 and diabetes, heavy current cigarette smoking or strong family history of premature ASCVD. Blue shading indicates decision node.

Implementing the ASCVD Risk Calculator During Patient Visits

Some electronic medical record (EMR) systems have a feature that will automatically calculate a patient's ASCVD risk. Providers who do not have access to an EMR with a score auto-calculation feature can either:



Download an app:

[ASCVD Risk Estimator Plus - American College of Cardiology \(acc.org\)](https://www.acc.org)



Use this website:

[2018 Prevention Guidelines Tool CV Risk Calculator \(heart.org\)](https://www.heart.org)

Reference

Lloyd-Jones DM, Braun LT, Ndumele CE, et al. Use of risk assessment tools to guide decision-making in the primary prevention of atherosclerotic cardiovascular disease: a special report from the American Heart Association and American College of Cardiology. *J Am Coll Cardiol* 2019;73:3153–3167