

aidoc

CORONARY ARTERY CALCIFICATION SOLUTION

Uncover Incidental Findings and Streamline
Follow-Up With AI



Surface All Patients Requiring Follow-Up for Coronary Artery Calcification

While nearly half of the general population has coronary calcification¹, the majority of incidental cases go unreported.²

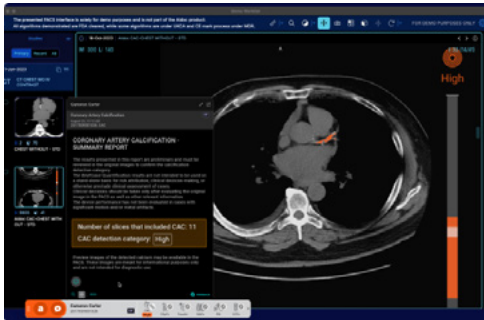
With Aidoc's AI-powered Coronary Artery Calcification (CAC) Solution, facilities can consistently report coronary calcium burden and manage patients requiring follow-up.

The aiOS™ and its algorithms are always on, helping you:

- Uncover all incidental findings
- Automate CAC quantification
- Streamline reporting by opting to automatically insert CAC results into draft reports
- Route patients for follow-up and management
- Deliver better outcomes for patients

FDA-Cleared Radiology Solution With PACS Integration

Automatically and consistently measure CAC



Analyzes all non-gated, non-contrast CT exams that show the heart

Text-Based AI Insights

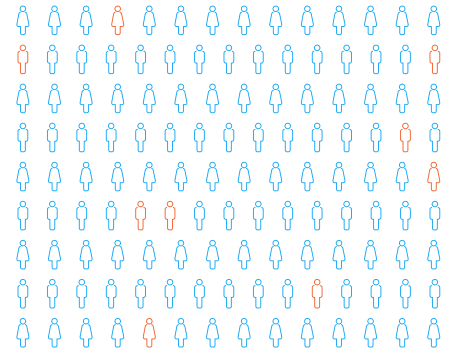
Identify only unknown CAC patients from all imaging reports



Exclude patients with statin use, known coronary artery disease (CAD) or prior coronary revascularization

Capture Incidental Findings

Refer patients for diagnosis and treatment



Helps improve population health by uncovering previously unknown at-risk patients

Powered by the aiOS™

Aidoc's aiOS™ platform seamlessly integrates with your existing systems to automate CAC detection, reporting and care coordination – without disrupting your workflow.



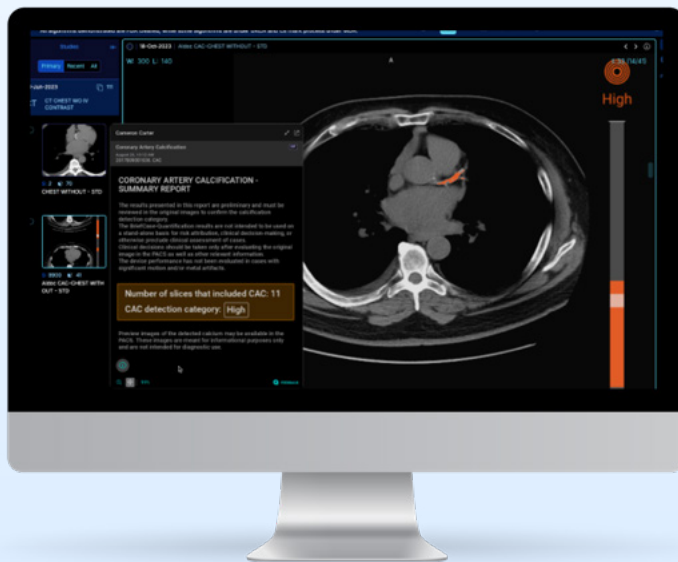
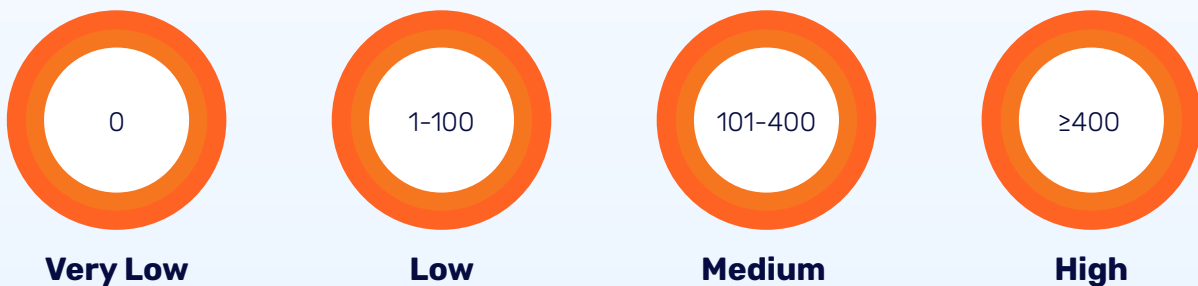
How the CAC Measurement Algorithm Works

The aiOS™-powered algorithm automatically runs on all non-gated, non-contrast CT exams containing the heart to flag incidental findings. When CAC is detected, it surfaces the finding and provides a measurement.

By automatically measuring incidental CAC, cardiologists can:

- Intervene early before symptoms develop
- Help prevent acute coronary syndrome or stroke with timely treatment
- Ensure no patient is overlooked in follow-up care
- Guide patients to appropriate management for better outcomes

When calcification is discovered, the AI algorithm will display the degree of calcification and categorize it into levels corresponding with the Agatston scoring method.



After radiologists confirm findings and create their imaging reports, text-based AI will analyze them to identify new patients with elevated coronary artery calcification, enabling timely follow-up by care teams through the Patient Management Solution.

That's where you come in.

Radiologists viewing the imaging will also have the option to create a new image series that includes highlighted calcium areas for easier visualization.

AI-Powered Proactive Follow-Up Without Workflow Disruption

Aidoc delivers the only AI-powered solution that identifies new at-risk patients for proactive follow-up without disrupting workflows.

How It Works

The aiOS™ uses text-based AI to identify any mention of coronary artery calcification in imaging reports. Simultaneously, it analyzes electronic health record (EHR) data for clinically relevant factors – such as statin use, known CAD and prior revascularization – to filter out known patients and surface only new cases in the Patient Management dashboard.



Streamlined Patient Tracking and Follow-Up

New patients added to the dashboard can be monitored, tracked and routed to the right care teams for proactive follow-up. The dashboard offers:

- Patient filtering by CAC severity, clinic, study date and more
- Longitudinal tracking of all user and system actions
- Integrated workflows for adding notes, reading reports and updating patient status

This centralized, AI-powered approach means no patient gets overlooked.

Enhancing Cardiac Care with Image-Based and Text-Based AI

When the CAC AI algorithm is used alongside the text-based Patient Management Solution, facilities are able to both diagnose and treat previously unknown at-risk patients, leading to:



Expedited time to follow-up



Additional diagnostic testing

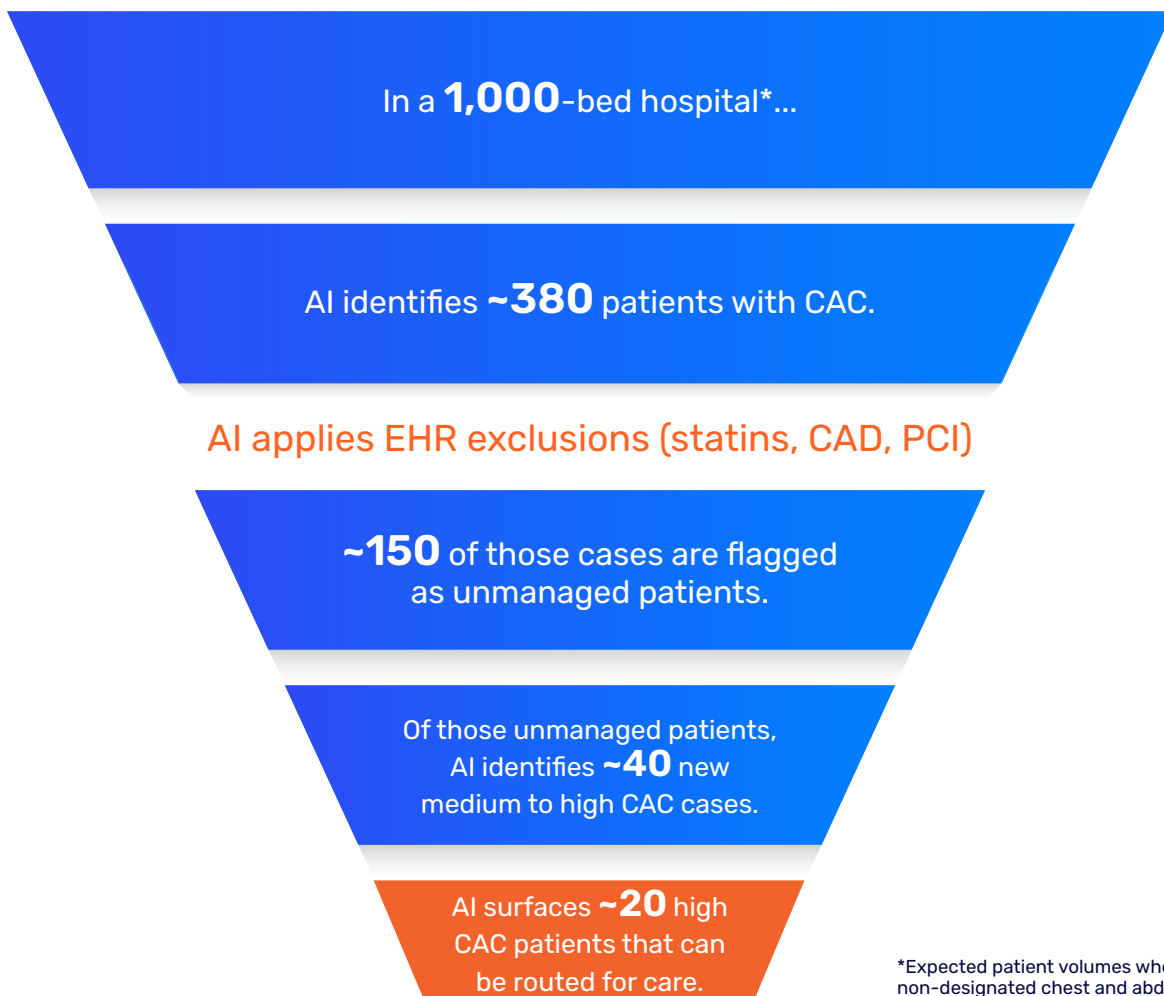


Improved population health

The Impact of Identifying and Treating Incidental Coronary Artery Calcification

Finding More At-Risk Patients

In a 1,000-bed hospital, an estimated 20 patients per week with high calcium burden can be discovered and routed for care.³



*Expected patient volumes when applied to all non-designated chest and abdomen CTs.

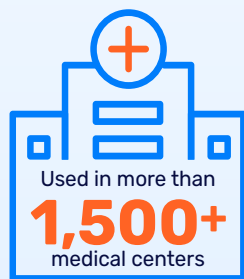
A Comprehensive Solution for Coronary Artery Calcification Care

Improving population health can feel challenging. Let AI help. Identify previously unknown patients with low, moderate and severe calcification and streamline follow-up care with Aidoc's end-to-end CAC Solution.

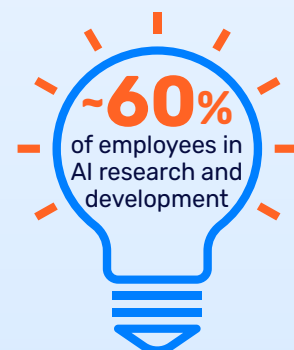
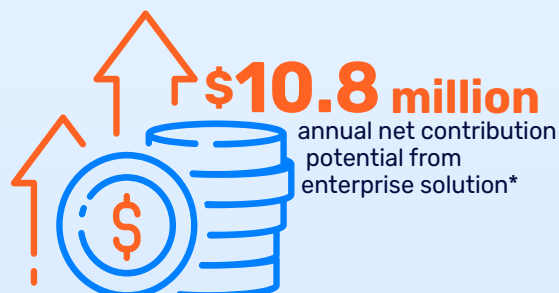
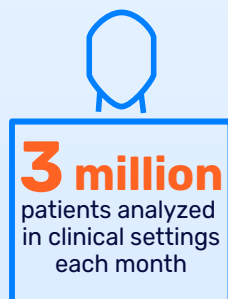
Only Aidoc's aiOS™ can deliver the Coronary Artery Calcification Measurement Algorithm and the Patient Management Solution. Learn more about the aiOS™ and all of the available clinical AI solutions at [Aidoc.com](https://www.aidoc.com).

The Aidoc Difference: Always On for Patient Outcomes

Aidoc empowers care teams to streamline workflows to support accelerated, collaborative and accurate decision-making. Our AI-powered and AI-enabled solutions help break down silos that are barriers to improved patient outcomes, clinical efficiency and economic value for healthcare systems.



Market leader in
FDA clearances
(18)



This is an example calculation assuming a 1k bed health system with 25% net contribution margin. Payor mix of private/self pay/other 67%; Medicare/Medicaid 28%; and no pay 5%. To understand the potential ROI for your facility, please reach out to Aidoc to understand how we can provide a customized calculation for you.



Aidoc is a pioneering force in clinical AI.

We focus on aiding and empowering healthcare teams to optimize patient treatment, which results in improved economic value and clinical outcomes.

Since 2016, Aidoc's clinically proven AI solutions have eliminated silos, increased efficiencies and improved outcomes by delivering critical information when and where care teams need it - leading to immediate collective action.

Powered by Aidoc's exclusive aiOS™, we analyze and aggregate medical data to enable care teams to operationalize the unexpected and work seamlessly with a continued focus on the patient.

Aidoc AI is always on, running in the background to change the foreground.

References:

- 1 Lloyd-Jones et al. J Am Coll Cardiol. 2011 May 3; 57(18):1838-45.
- 2 Williams et al. J Cardiovasc Comput Tomogr. 2013 May-Jun; 7(3):167-72.
- 3 Aidoc internal research data on file.