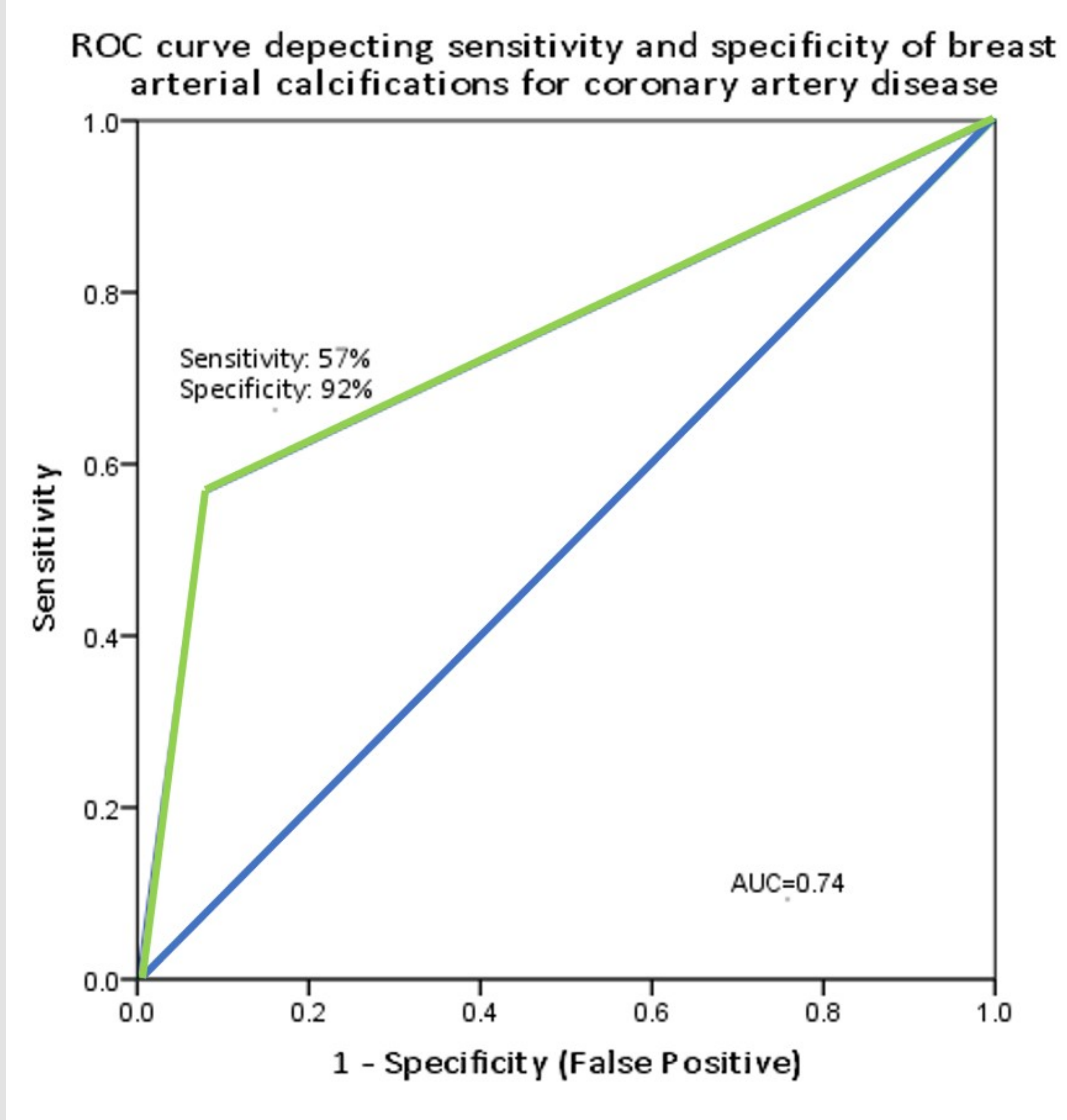


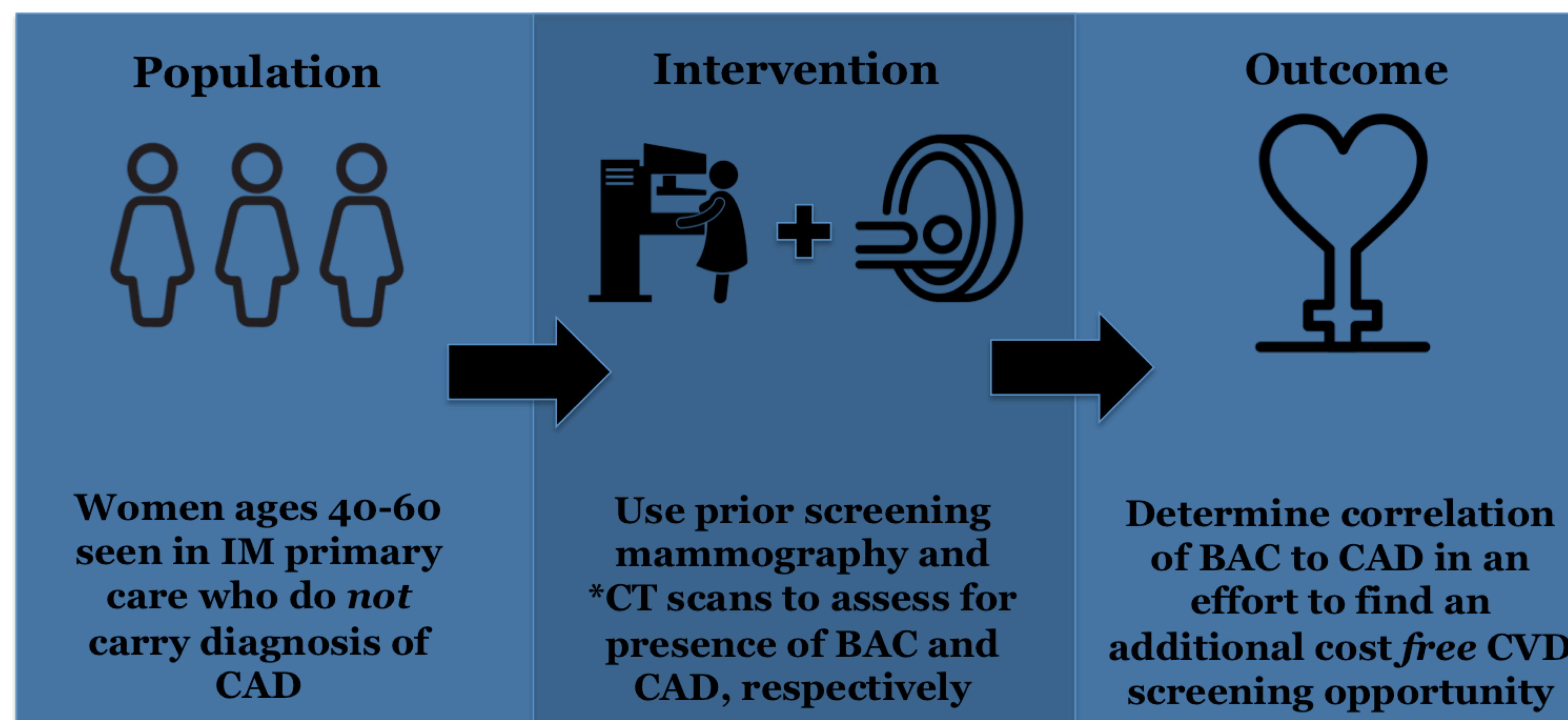
## Background

- Cardiovascular disease (CVD) remains the number one cause of death and yet the mortality rate for young women has plateaued compared to men, which is declining.
- ASCVD screening guidelines do not always capture women with CAD detectable by imaging.
- Coronary artery calcium scoring by CT is costly, inconvenient and exposes women to direct chest wall radiation.
- Our data supports breast arterial calcifications (BAC) seen on mammography as specific marker for CAD.

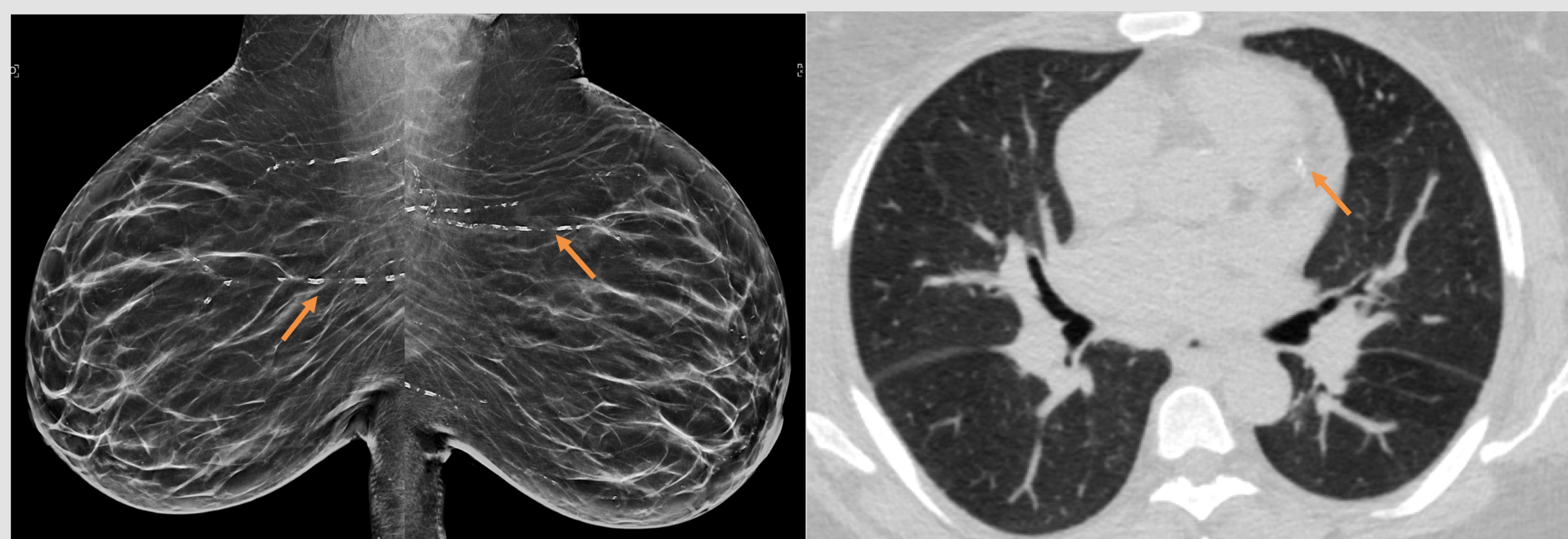


- In our retrospective review of screening mammograms on 105 women aged 40-60, 22% had BAC which was 92% specific for CAD on chest CT.

## Cardiovascular disease remains #1 cause of death in women



\*CT Scans were done for any reason; IM = Internal Medicine; CAD = Coronary artery disease; BAC = Breast arterial calcification



47 year old female with a remote history of renal transplant presents for screening mammogram, which demonstrates several calcified vessels in each breast. A noncontrast chest CT performed 6 months prior in the emergency department to evaluate for pneumonia demonstrates mild calcified coronary artery disease in the left anterior descending artery. This patient is not on a statin.

## Study Aims

- To create an interdisciplinary task force focused on identifying women with CVD by reporting presence of BAC on screening mammograms.
- To monitor the clinical impact of reporting BAC.

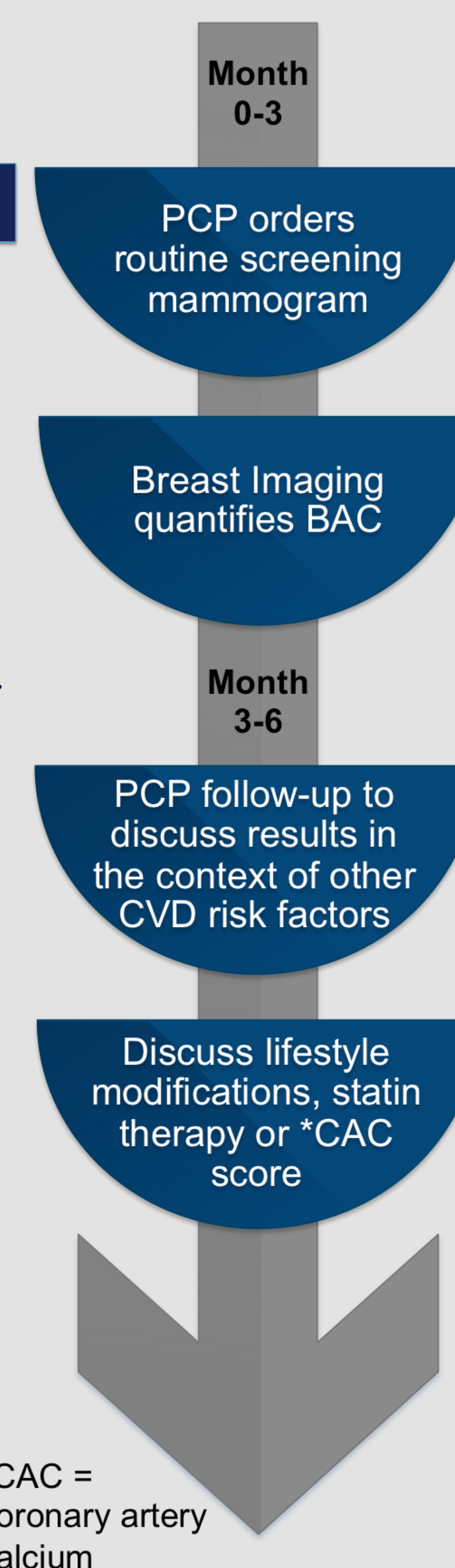
## Process Measurement

- Quantify the percentage of screening mammograms with BAC addressed in final read.
- Quantify the number of PCP and patient interactions that discuss BAC results.
- Quantify clinical outcomes based on reporting BAC.

## Proposed Intervention and Plan

### Task Force Roles

- PCPs determine inclusion criteria of patients who may benefit from BAC report
- Breast Imagers determine ideal way to report presence of BAC on screening mammograms
- Cardiologists and PCPs collaborate to determine course of action following report of positive BAC: further lab-work or diagnostic imaging, statin therapy or lifestyle modification



## Interdisciplinary Task Force

