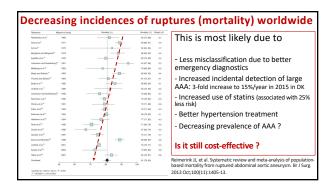
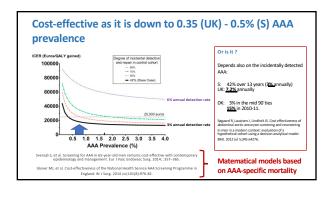
## New Developments In AAA Screening: Should We Change Who Is Being Screened The Viborg trial 1995 Solitary AAA screening The Viborg trial 1995 Solitary AAA screening The Viborg trial 1995 The Viborg trial 1995 The Viborg trial 1995 Top Viborg

## Financial disclosures • None





High risk screening selected by smoking and CAD

All 16 232 men attending AAA screening in four neighbouring counties in Sweden 2006-2010: 236 (1.5%) AAA were detected.

The optimal threshold by ROC curve analysis:

Men having smoked for >thirty years and/or history of CAD:

7-4.0% of all AAAs by screening 33.0% of the population.

Togeting men having smoked for >ten years:

8-4.0% of all AAAs by screening 55.0% of the population.

Just ever smokers:

8-5.0% of all AAAs by screening 61.0% of the population.

Lindholt IS, Henneberg EW, Feating H, Just S. Moss or high-risk screening for abdominal aortic aneurym. Br J Surg. 1997 medial 1;30-2.

Söderberg P, Wenhainen A, Svensjo S. Optimising Abdominal Aortic Aneurym Screening of 55 Year Clid Men by Exploring Risk Factor Based Targeted Screening Strutegies in Light of Deckining Prevalence of the Disease. Eur Visac Endowsca. Surg. 2024 Oct 55:078-588474(00678-1. Equ.)

Risk factor-targeted abdominal aortic aneurysm screening:
systematic review of risk prediction for abdominal aortic aneurysm.

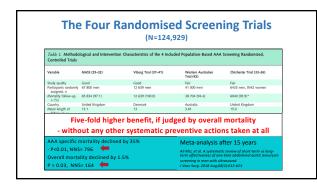
Musto L, et al. 8r J Surg. 2024 Aug 30;111(9):nae239.

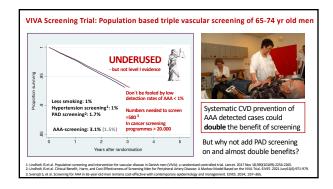
The search identified 4813 articles. 37 reports were included

Age, sex, biometrics (such as height, weight, or BMI), etnicity, smoking, hypertension, hypercholesterolaemia, and history of heart disease.

Applicability was poor when considering targeted screening strategies using electronic health record-based populations.

Perhaps for future text mining of medical records ?





## Conclusions: Should we change who we are screening?

- Current screening practice: Cost effectiveness is questioned, but proper evaluation must be based on overall mortality, and double the benefits by implementing systematic cardiovascular prevention.
- Consider to add PAD screening to double the benefits once more
- Forget about the low prevalences detected now a days a numbers needed to screen of 500 to save one life is nothing compared to cancer screening programs (NNS>20 000).
- Reseach to identify risk groups outside the current target group is warranted benefits and cost effectiveness must be evaluated based upon overall mortality