Reviewer's report

Title: Identifying specific non-attending groups in breast cancer screening - population-based registry study of participation and socio-demography

Version: 1 Date: 14 June 2012

Reviewer: Lennarth Nyström

Reviewer's report:

This is an excellent study of socio-demographic and socio-economic characteristics in active and passive non-participants and participants in the first round of the Danish service-screening program with mammography

Major comments

Introduction
I suggest that the aims are merged as ".........characteristics of participants and active- and passive non-participants.

Analysis
I am not very fond of this step-wise analysis. Why not perform a classical analysis starting with a bivariate analysis and then include the significant (p<0.05 or p<.0.10 depending on how many variables you want in the final model and how you plan to use the model) variables in the multivariate analysis.

Table
Table 2 and 3 must be included in the paper and not as supplementary files. The tables should always include number of non-participants and number of participants (i.e.corresponding to number of cases and controls in a case-control analysis)

Minor comments
Material and Methods
Registries and variables
Specify western countries

Level of interest: An article of outstanding merit and interest in its field

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:
I declare that I have no competing interests