Reviewer's report

Title: A registry-based follow-up study, comparing the incidence of cardiovascular disease in native Danes and immigrants born in Turkey, Pakistan and the former Yugoslavia: Do social inequalities play a role?

Version: 4 Date: 6 June 2011

Reviewer: Anton Kunst

Reviewer's report:

The authors have done a great job in taking into account the many comments that I had to the previous version of the paper. I can easily accept the single instance in which that did not wish to take one of my comments into account.

To the current version, I would like to formulate two discretionary revisions that relate to the changes that have been made.

1. For the new table 2, I wish to suggest to replace the p-values with estimates that provide information on the MAGNITUDE of the interactions that might exists (even though not demonstrable at conventional significance levels). This might be done by, for example, presenting the employed/nonemployed, owner/tenant and high/low income incidence ratios per migrant group (including Danes). Just for CVD (not AMI) to save space. Even though the interactions are not statistically significant at conventional 5% levels, p values are below about 10% in many cases, suggesting that the true patterns of interaction might be visible in the results. It would be very informative to have see these patterns, also in view of the paper's objective to "examine whether an effect modification between different SES indicatiors and country of birth existed" (end of Introduction).

2. With the newly added estimates, the lay out of tables 3 and 4 has become a bit chaotic. I suggest changing the lay-out, by putting the migrants groups in columns, just like in tables 1 and 5, and presenting all models in subsequent rows.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests