

Problem description: Five tips in research about relations between social determination and cardiovascular disease

Sir,
Cardiovascular disease (CVD) is a serious public health problem that contributes 30% to annual global mortality and 10% to the overall burden of the disease. Evidence on social determinants and inequalities related to CVD, mainly from developed countries, indicate an inverse relationship between the socioeconomic status and the incidence and mortality of cardiovascular diseases.^[1,2]

The social determinants of health can be understood as the social conditions in which people live and work; conditions that are shaped by the distribution of power, income, and resources, both globally, nationally, and locally.^[3,4]

The purpose of this manuscript was to describe some problems in most surveys, with the same topic in social determination and cardiovascular disease.

The first tip on the global dimension. In this tradition, every researcher had to concentrate on one or a small dimension. The result in this way probably has prejudice, and the researcher must accept this limitation.

The second tip related to the role of the dimension is that, unfortunately, the researchers have an analysis exactly because this dimension can easily be influenced by each other.

The third tip related to the dimension component and to those details. This is very difficult and complex.

The fourth tip on current methods for statistical analysis is not acceptable perfectly to the most researchers, another way, these methods are not as a collective agreement.

The fifth tips related to the interrelation between social determination and cardiovascular disease risk factor,

not sufficiently clear. This process is very difficult and quite impossible.

A basic suggestion to solve these problems provides an adequate structure and adequate guidance. The guidelines must be very accurate and step by step, and the processes must be abandoned. Also for the size, we need a separate guide.

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Conflicts of interest

There are no conflicts of interest.

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References

1. Blas E, Kurup AS. Equity, Social Determinants and Public Health Programmes. Switzerland: World Health Organization; 2010.
2. Nekouei ZK, Yousefy A, Manshaee G. Cognitive-behavioral therapy and quality of life: An experience among cardiac patients. *J Educ Health Promot* 2012;1:2.
3. Lang T, Lepage B, Schieber AC, Lamy S, Kelly-Irving M. Social determinants of cardiovascular diseases. *Public Health Rev* 2011;33:601.

Letter to Editor

4. Sarraf-Zadegan N, Sadri G, Malek Afzali H, Baghaei M, Mohammadi Fard N, Shahrokhi S, *et al.* Isfahan healthy heart programme: A comprehensive integrated community-based programme for cardiovascular disease prevention and control. Design, methods and initial experience. *Acta Cardiol* 2003;58:309-20.

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