Article

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Socioeconomic inequalities in lifestyle-related health outcomes

Hamish Foster and colleagues reported in The Lancet Public Health that lifestyle risk factors are associated with disproportionate harm in socioeconomically deprived populations. As for why deprivation might amplify the effects of lifestyle factors for mortality and disease, both Foster and colleagues and Marianna Virtanen and Mika Kivimäki, in their Comment, propose increased levels of psychosocial stress as an explanation. However, although it might be more pervasive in deprived populations, psychosocial stress is itself associated with disproportionate harm: low socioeconomic status amplifies the negative impact of stress. As with the other factors Foster and colleagues investigate, the impact of stress cannot be explained simply by its increased prevalence in disadvantaged populations. Hence, it might be more useful to regard the effect of psychosocial stress as part of what needs to be explained when it comes to disproportionate harm, rather than to rely on it as an explanation.

The question remains, then, of why some lifestyle factors are associated with greater harm in the context of socioeconomic deprivation. An answer might be found within the framework of life history theory, whereby social disadvantage and adverse conditions early in life might trigger a fast life-history strategy, associated with accelerated ageing and increased mortality risk. The mechanisms are not understood, although they are assumed to entail a trade-off of resources favouring the present at the expense of future health. The value of this framework is that it has the potential to account for the observed disproportionality. Disadvantaged populations do not only suffer disproportionate harm because of greater exposure to unhealthy lifestyle factors; socioeconomic deprivation might result in a biologically fast life strategy being triggered in more individuals, thus making these individuals more susceptible to the harmful impacts of their environments and lifestyles.

I declare no competing interests.

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