What this paper adds

- Numerous cross-sectional studies have shown that the socioeconomic characteristics of residential areas are independently associated with residents' smoking, and that smoking prevalence increases with area deprivation.
- This longitudinal examination of smokers who lived at the same address between 1991 and 1997 suggests that deprivation characteristics of areas may influence smoking behaviour.
- The findings imply that some (currently unknown) attribute of living in a deprived area may contribute to its residents' worse smoking profiles and lower prevalence of quitting.

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REFERENCES

- 1 **Ecob R**, Macintyre S. Small area variations in health related behaviours: do these depend on the behaviour itself, its measurement, or on personal characteristics? *Health Place* 2000;**6**:261–74.
- 2 **Shahaimi S**, Luben R, Wareham N, *et al*. Residential area deprivation predicts smoking habit independently of individual educational level and occupational social class. A cross sectional study in the Norfolk cohort of the European Investigation into Cancer (EPIC-Norfolk). *J Epidemiol Community Health* 2003;**57**:270–6.
- 3 **Reijneveld S**. The impact of individual and area characteristics on urban socioeconomic differences in health and smoking. *Int J Epidemiol* 1998;**27**:33–40.
- 4 **Duncan C**, Jones K, Moon G. Smoking and deprivation: are there neighbourhood effects? *Soc Sci Med* 1999;**48**:497–505.
- 5 **Diez Roux A**, Link B, Northridge M. A multilevel analysis of income inequality and cardiovascular disease risk factors. *Soc Sci Med* 2000;**50**:673–87.
- 6 **Mackenbach J**, van de Mheen H, Stronks K. A prospective cohort study investigating the explanation of socioeconomic inequalities in health in the Netherlands. *Soc Sci Med* 1994;**38**:299–308.
- 7 **Droomers M**, Schrijvers C, Mackenbach J. Why do low educated people continue smoking? Explanations from the longitudinal GLOBE study. *Health Psychol* 2002;**21**:262–72.
- 8 **van Lenthe F**, Mackenbach J. Neighbourhood deprivation and overweight: the GLOBE study. *Int J Obes* 2002;**26**:234–40.
- 9 **van Lenthe F**, Brug J, Mackenbach J. Neighbourhood inequalities in physical activity: the role of neighbourhood attractiveness, proximity to local facilities and safety in the Netherlands. *Soc Sci Med* 2005;**60**:763–75.
- 10 **Ormel J**. *Moeite met leven of een moeilijk leven (Difficulties with living or a difficult life)*. Groningen, The Netherlands: Rijksuniversiteit Groningen, 1980.
- 11 **Sanderman R**, Arrindel W, Ranchor A, *et al*. *Het meten van persoonlijkheidskenmerken met de Eysenck Personality Questionnaire (EPQ): een handleiding (The measurement of personality characteristics using the Eysenck Personality Questionnaire (EPQ): a manual)*. Groningen, The Netherlands: Noordelijk Centrum voor Gezondheidsvraagstukken, 1995.
- 12 **Schrijvers C**, Stronks K, van de Mheen H, *et al*. Explaining educational differences in mortality: the role of behavioural and material factors. *Am J Public Health* 1999;**89**:535–40.
- 13 **Rasbash J**, Browne W, Goldstein H, *et al*. *A user's guide to MLwiN*. London: University of London, 2000.
- 14 **Stead M**, MacAskil S, MacKintosh A, *et al*. It's as if you're locked in: qualitative explanations for area effects on smoking in disadvantaged communities. *Health Place* 2001;**7**:333–43.
- 15 **Wiltshire S**, Bancroft A, Amos A, *et al*. They're doing people a service: qualitative study of smoking, smuggling and social deprivation. *BMJ* 2001;**323**:203–7.
- 16 **Copeland L**. An exploration of the problems faced by young women living in disadvantaged circumstances if they want to give up smoking: can more be done at general practice level? *Fam Pract* 2003;**20**:393–400.

CORRECTION

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In the October editorial, How much of the decrease in cancer death rates in the United States is attributable to reductions in tobacco smoking? (*Tobacco Control* 2006;**15**:345–7) an error has occurred in the table. The observed death rate from all cancers combined among women in 1991 was 175.3 per 100 000 (not 17303). The percentage decrease in the death rate from 1991 to 2003 was -8.4% (not -8.5%). The journal apologises for this error.